

TOP SECRET



NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

OAK

PHOTOGRAPHIC INTERPRETATION REPORT

DECLASS REVIEW by NSA/DOD

KH-4 MISSION III6

IPIR NUMBER I

MISSION III6-I OAK

20-29 APRIL 1972

25X1

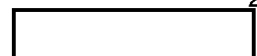


25X1

TOP SECRET



25X1



MAY 1972
COPY NO 184

81 PAGES

OAK-075/72

GROUP 1: EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

WARNING

This document contains information affecting the national security of the United States within the meaning of the espionage laws U. S. Code Title 18, Sections 793 and 794. The law prohibits its transmission or the revelation of its contents in any manner to an unauthorized person, as well as its use in any manner prejudicial to the safety or interest of the United States or for the benefit of any foreign government to the detriment of the United States. It is to be seen only by personnel especially indoctrinated and authorized to receive information in the designated control channels. Its security must be maintained in accordance with regulations pertaining to Control System.

25X1

**TARGET CATEGORIES
AND
ASSOCIATED NTP FUNCTIONAL AREAS (CODES)**

1. STRATEGIC SSM

Deployed Strategic SSM Facilities (A)

2. MISSILE RANGES

Missile Ranges: Strategic SSM/Space Facilities (P)

Missile Ranges: Air-Launched Missile Facilities (Q)

Missile Ranges: Naval-Launched Missile Facilities (R)

Missile Ranges: Tactical SSM Facilities (S)

Missile Ranges: SAM/AMM Facilities (T)

3. AIR DEFENSE MISSILES

Deployed AMM Facilities (B)

Deployed SAM Facilities (D)

4. ELECTRONICS/COMMUNICATIONS

Deployed Communication/Electronic/Radar Facilities (C)

5. AIR

Air Base Facilities (E)

6. NAVAL

Naval Base Facilities (F)

7. GROUND

Ground Force Facilities (G)

8. TACTICAL SSM

Deployed Tactical SSM Facilities (H)

9. LOGISTICS

Military Logistics Facilities (K)

10. NUCLEAR ENERGY

Atomic Energy Facilities (O)

11. CBR

CBR Facilities (V)

12. INDUSTRY

Strategic Weapons Industrial Facilities (J)

General Purpose Weapons Industrial Facilities (L)

Non-Military Industrial Facilities (N)

Communication/Electronic/Radar R&D Facilities (U)

13. MISCELLANEOUS

Non-Military Logistics Facilities (M)

Miscellaneous/Unidentified Facilities (Z)

These thirteen target categories are compatible with the Functional Area of Imagery Interpretation established under the National Tasking Plan. To enhance the analysis of readout on operationally associated targets, each target is reported relative to its primary functional association (i.e., missile range tracking facilities are reported under "MISSILE RANGES," fly-away airfields at aircraft plants are reported under "INDUSTRY," airfield nuclear weapons storage facilities are reported under "AIR," etc.).

25X1

KH-4 MISSION 1116-1

TABLE OF CONTENTS

	PAGE
PREFACE	1
MISSION HIGHLIGHTS	2
CHINA, COMMUNIST	
DEPLOYED STRATEGIC SSM FACILITIES	10
MISSILE RANGES	11
AIR DEFENSE MISSILES	15
COMMO/ELEC/RADAR FACILITIES	16
AIR BASE FACILITIES	17
NAVAL BASE FACILITIES	19
GROUND FORCE FACILITIES	20
NUCLEAR ENERGY	21
INDUSTRY	23
UNITED ARAB REPUBLIC	
AIR BASE FACILITIES	24
GROUND FORCE FACILITIES	28
KOREA, NORTH	
AIR DEFENSE MISSILES	30
AIR BASE FACILITIES	33
NAVAL BASE FACILITIES	37
GROUND FORCE FACILITIES	38
PAKISTAN	
AIR BASE FACILITIES	47
SOVIET UNION	
DEPLOYED STRATEGIC SSM FACILITIES	48
MISSILE RANGES	54
AIR DEFENSE MISSILES	57
NAVAL BASE FACILITIES	61
NUCLEAR ENERGY	65
INDUSTRY	69
VIETNAM, NORTH	
AIR BASE FACILITIES	78

25X1

I

TOP SECRET

25X1

KH-4 MISSION 1116-1

PREFACE

PREFACE

THIS OAK REPORT ON MISSION 1116-1 PROVIDES INFORMATION ON THE A AND B PRIORITY COMIREX TARGETS OBSERVED ON PHOTOGRAPHY.

TARGETS IN THIS REPORT ARE SEQUENCED ALPHABETICALLY WITHIN THE 13 TARGET CATEGORIES ESTABLISHED BY COMIREX. A LISTING OF THE TARGET CATEGORIES APPEARS ON THE INSIDE FRONT COVER OF THIS REPORT. TARGETS ARE FURTHER SEQUENCED BY COUNTRY AND DIVIDED INTO TWO SECTIONS -- SIGNIFICANT RESULTS AND OTHER RESULTS.

THE SIGNIFICANT RESULTS SECTIONS INCLUDE NEW TARGETS, PERISHABLE ITEMS, AND TARGETS WHICH REFLECT CHANGE AND/OR ORDER OF BATTLE. ALL REMAINING TARGETS ARE INCLUDED IN THE OTHER RESULTS SECTION.

A CUMULATIVE INDEX WILL BE PUBLISHED AT THE CONCLUSION OF EACH OAK REPORTING PHASE. ANOTHER CUMULATIVE INDEX WILL BE PUBLISHED AT THE CONCLUSION OF THE OAK SUPPLEMENT PHASE.

FOR EXPLANATION OF PREFIXES AND CODES USED IN THIS REPORT, SEE 25X1 THE NATIONAL STANDARD MESSAGE FORMAT FOR ELECTRICAL TRANSMISSION OF FIRST- AND SECOND-PHASE EXPLOITATION (COMIREX-D-31.2/11, 1ST REVISION, JANUARY 1969 AND [REDACTED] JUNE 1968, THE SUPPLEMENT TO COMIREX-D-31.2/11).

THE ORDER OF BATTLE REPORTED IS CONFIRMED UNLESS OTHERWISE QUALIFIED AS PROBABLE (PROB) OR POSSIBLE (POSS).

RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF PHOTOGRAPHY IS ACCOMPLISHED IN A SHORT TIME AND PRIOR TO FINAL REFINEMENT OF EPHEMERIS DATA. CONSEQUENTLY, FUTURE ANALYSIS MAY RESULT IN ADDITIONAL INFORMATION. MOREOVER, RECIPIENTS ARE CAUTIONED THAT THE IDENTIFICATION OF TARGETS IS BASED PRIMARILY ON PHOTOGRAPHY AND DOES NOT CONSTITUTE A FINISHED INTELLIGENCE JUDGMENT.

25X1

25X1

[REDACTED]
KH-4 MISSION 1116-1

HIGHLIGHTS

MISSION HIGHLIGHTS

USSR

MISSILE ACTIVITY

25X1

1. KRASNOARMEYSK SOLID MOTOR DEV FACILITY (56-09-15N
038-10-40E, [REDACTED])

25X1

ICBM COMPLEXES

2. THE ALEYSK, DOMBAROVSKIY, AND IMENI GASTELLO ICBM COMPLEXES WERE COMPLETELY OBSERVED AND THE KARTALY AND ZHANGIZ-TOBE COMPLEXES WERE PARTIALLY OBSERVED ON PHOTOGRAPHY OF FAIR INTERPRETABILITY. THE SIXTH SS-9 COMPLEX, UZHUR, WAS NOT OBSERVED. NO NEW SILO CONSTRUCTION WAS IDENTIFIED. EIGHTEEN OF THE 25 KNOWN DEPLOYED TYPE IIIF LAUNCH SITES WERE OBSERVED. SILO LINER SEGMENTS WERE AT LAUNCH SITE 76 AT DOMBAROVSKIY.

25X1

THE UNIDENTIFIED ACTIVITY IN AN AREA APPROXIMATELY 8.5 NM SOUTHWEST OF ZHANGIZ-TOBE LAUNCH SITE 26D SHOWED [REDACTED] CONSTRUCTION WAS STILL NOT SUFFICIENTLY ADVANCED TO PERMIT IDENTIFICATION OF THIS ACTIVITY.

25X1

THE YEDROVO SS-11 COMPLEX WAS COMPLETELY OBSERVED AND THE TEYKOVO SS-11 COMPLEX WAS PARTIALLY OBSERVED ON PHOTOGRAPHY OF FAIR INTERPRETABILITY. THE OTHER EIGHT SS-11 COMPLEXES WERE NOT OBSERVED.

THE ONLY OTHER ICBM COMPLEX COVERED, NOVOSIBIRSK SS-7 COMPLEX, WAS PARTIALLY OBSERVED ON PHOTOGRAPHY OF FAIR INTERPRETABILITY.

MR/IRBM COMPLEXES

25X1

25X1

KH-4 MISSION 1116-1

HIGHLIGHTS

3. THE SARY-OZEK IRBM COMPLEX SEARCH AREA WAS OBSERVED ON CLEAR PHOTOGRAPHY. THE SEARCH AREAS AT MOLOSKOVITSY MRBM, SUCHAN MRBM, AND TAYBOLA IRBM COMPLEXES WERE ONLY PARTIALLY OBSERVED. NO NEW SILO CONSTRUCTION WAS OBSERVED. THE DERAZHNYA AND PERVOMAYSK SSM COMPLEXES WERE NOT COVERED.

MISSILE TEST CENTERS

25X1

4. PLESETSK MISSILE AND SPACE CENTER (62-56-15N 040-37-00E, [REDACTED])

KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER (48-42-00N 046-00-00E, [REDACTED])

25X1

THE PLESETSK MISSILE AND SPACE CENTER AND THE KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER WERE NOT COVERED.

25X1

5. TYURATAM MISSILE TEST CENTER (45-56-40N 063-28-00E, BE [REDACTED])

25X1

ALL COMPONENTS OF THE TYURATAM MISSILE TEST CENTER WERE OBSERVED ON [REDACTED]

25X1

AT COMPLEX H, A MISSILE OR PORTION OF A MISSILE APPROXIMATELY [REDACTED] FEET) IN DIAMETER WAS HORIZONTAL ON THE ERECTOR AT PAD H1. THE TWO NEW-TYPE MISSILE AIRFRAMES OBSERVED [REDACTED] IN THE SUPPORT FACILITY OF COMPLEX C WERE NO LONGER PRESENT.

25X1

AN SL-11 SPACE LAUNCH VEHICLE WAS ERECTED ON LAUNCH PAD G1-A, LAUNCH SITE G1.

A MISSILE CANISTER ON A PROBABLE SILO LOADER WAS OBSERVED ON THE ACCESS ROAD OF TYPE III G LAUNCH SITE S1.

AT LAUNCH SITE I7, THE CENTER SILO DOOR WAS OPEN AND A SMALL VEHICLE WAS AT THE SILO.

NO SIGNIFICANT ACTIVITY WAS OBSERVED AT THE LAUNCH SITES OF LAUNCH GROUPS K, O, P, Q, AND R, OR AT LAUNCH SITE T1/T2.

ABM ACTIVITY

25X1

6. ALL OF THE MOSCOW ABM FACILITIES WERE OBSERVED ON [REDACTED]

25X1

[REDACTED]
KH-4 MISSION 1116-1

HIGHLIGHTS

25X1

[REDACTED] ON CLEAR, STEREO PHOTOGRAPHY OF FAIR INTERPRETABILITY.

25X1

25X1

A TOTAL OF 68 GALOSH MISSILE CANISTERS WAS OBSERVED. THIRTY-NINE CANISTERS WERE AT THE OPERATIONAL COMPLEXES--THE HIGHEST NUMBER OF CANISTERS OBSERVED AT THE DEPLOYED COMPLEXES. THE HIGHEST NUMBER PREVIOUSLY OBSERVED AT THE DEPLOYED COMPLEXES WAS 24 [REDACTED] TWENTY-NINE CANISTERS WERE OBSERVED AT THE ABM SUPPORT FACILITY AT BOROVSK. FORTY-FIVE CANISTERS HAD BEEN OBSERVED AT BOROVSK ON [REDACTED]
[REDACTED]

25X1

AT LAUNCH COMPLEX E21, DISH ANTENNA SEGMENTS WERE BEING ASSEMBLED ADJACENT TO ANTENNA BUILDINGS 1 AND 4. A LARGE TRESTLE CRANE WAS NEWLY OBSERVED ADJACENT TO BUILDING 1.

AT LAUNCH COMPLEX E15, CONSTRUCTION CONTINUED ON THE WALL AT THE BASE OF THE LARGE EXCAVATION.

25X1

NO CHANGE WAS OBSERVED AT COMPLEX E03.

7. SARY-SHAGAN MISSILE TEST CENTER (46-11-05N 072-41-30E, BE
[REDACTED])

25X1

ALL OF THE MAJOR FACILITIES OF THE TEST CENTER WERE OBSERVED ON [REDACTED] ON CLEAR, STEREO PHOTOGRAPHY OF FAIR INTERPRETABILITY.

AT LAUNCH COMPLEX F, A MISSILE CANISTER WAS ERECTED VERTICALLY AT LAUNCH POSITION 2A OF LAUNCH SITE 2.

AT LAUNCH COMPLEX D, A MISSILE CANISTER WAS ENGAGED HORIZONTALLY IN THE LAUNCHER AT POSITION D1.

AN UNOCCUPIED, FIVE-POSITION SA-2 SITE WAS NEWLY OBSERVED AT 45-48N 72-36E, APPROXIMATELY .5 NM WEST-NORTHWEST OF MICROWAVE FACILITY 3-I AND 12 NM NORTH-NORTHEAST OF LAUNCH COMPLEX E. AN UNOCCUPIED, FOUR-POSITION SA-2 SITE HAS BEEN CONSTRUCTED IMMEDIATELY ADJACENT TO THE PERIMETER ROAD OF SAM SITE A26-2.

AIR ACTIVITY

25X1

8. RAMENSKOYE FLIGHT TEST CENTER (55-33-45N 038-07-05E, BE
[REDACTED])

25X1

KH-4 MISSION 1116-1

HIGHLIGHTS

25X1

25X1

25X1

A MODIFIED CHARGER WAS OBSERVED FOR THE FIRST TIME AT RAMENSKOYE FLIGHT TEST CENTER ON [REDACTED] IT WAS LOCATED ON A HARDSTAND IN THE EAST PARKING AREA. A MODIFIED CHARGER WAS FIRST OBSERVED AT VORONEZH AIRFRAME PLANT 64 (BE [REDACTED] ON [REDACTED]

25X1

FIVE BACKFIRE WERE OBSERVED IN THE TUPOLEV AREA, AND A RAM-F WAS SEEN IN THE SUKHOY AREA ON [REDACTED] A FREEHAND WAS AGAIN OBSERVED ON THE FLIGHT DECK TEST STRUCTURE. THE NEW DELTA-WING BOMBER (RAM-H) WAS NOT PRESENT.

25X1

NAVAL ACTIVITY

10. SUBMARINE ACTIVITY

25X1

ALL THE SOVIET NORTHERN FLEET BASES WERE OBSERVED THROUGH SCATTERED CLOUDS ON [REDACTED] SIX Y-CLASS SUBMARINES, ONE H-II SUBMARINE, AND ONE LARGE UNIDENTIFIED SUBMARINE WERE AT SAYDA GUBA SUBMARINE BASE. THREE OF THE Y-CLASS SUBMARINES HAD DARK-TONED SONARS. AT PALA GUBA NAVAL BASE AND SHIP REPAIR YARD, A Y-CLASS SUBMARINE WITH A LIGHT-TONED SONAR WAS IN THE FLOATING DOCK ALONG WITH AN UNIDENTIFIED VESSEL. THE H-III SUBMARINE WAS AT OLENYA GUBA SUBMARINE BASE. THE DISABLED H-II

25X1

[REDACTED]
KH-4 MISSION 1116-1

HIGHLIGHTS

25X1

SUBMARINE OBSERVED AT SEVEROMORSK NAVAL MISSILE LOADING FACILITY ON [REDACTED] WAS NO LONGER PRESENT. [REDACTED] ATOMIC ICEBREAKER WAS IN THE LARGE FLOATING DOCK AT CHELNOPUSHKA SHIP REPAIR YARD.

25X1

25X1

KOMSOMOLSK SHIPYARD AMUR 199 WAS THE ONLY MAJOR SOVIET NAVAL FACILITY IN THE PACIFIC FLEET THAT WAS COVERED. THE LAUNCH BASIN WAS FLOODED ON [REDACTED], AND THE ARD (T) NO 1 TRANSPORTER DOCK WAS APPARENTLY MOORED BY ITS BOW TO THE BASIN GATE. THE TRANSPORTER CRANE WAS IN THE AREA OF THE BASIN WHERE THE LAUNCHING DOCK SUPPORT DEVICE IS NORMALLY STORED.

THE SEVERODVINSK SHIPYARD COMPLEX AND THE NIKOLAYEV SHIPYARDS WERE NOT COVERED.

CHINA

MISSILE ACTIVITY

SSM ACTIVITY

25X1

25X1

11. WU-CHAI SSM COMPLEX (38-49-27N 111-40-17E, [REDACTED])
[REDACTED]

THE ENTIRE COMPLEX WAS COVERED ON CLEAR, SMALL-SCALE PHOTOGRAPHY.

AN EMPTY CSS-2 TRANSPORTER-ERECTOR, A LAUNCH STAND, AND SEVEN UNIDENTIFIED VEHICLES OR PIECES OF EQUIPMENT WERE ON OR NEAR THE LAUNCH PAD AT LAUNCH SITE 1. SEVERAL UNIDENTIFIED VEHICLES AND PIECES OF EQUIPMENT WERE PARKED AT THE ASSEMBLY AND CHECKOUT AREA AT THE MAIN SUPPORT BASE.

25X1

12. CHING-YU ICBM TEST SITE (42-17-23N 126-52-35E, BE [REDACTED])
[REDACTED]

HEAVY CLOUDS, HAZE, AND THE SMALL SCALE OF THE PHOTOGRAPHY PRECLUDE A DETAILED INTERPRETATION OF MOST OF THE COMPLEX. HOWEVER, THE SILO DOOR WAS OBSERVED TO BE CLOSED.

25X1

13. SHUANG-CHENG-TZU MISSILE TEST CENTER (41-08-00N 100-15-00E, [REDACTED])
[REDACTED]

THE ENTIRE TEST CENTER WAS COVERED ON CLEAR, SMALL-SCALE PHOTOGRAPHY. NO MISSILES OR SIGNIFICANT ACTIVITY WERE

25X1

25X1

Approved For Release 2006/04/03 : CIA-RDP78T04562A004300010002-9

25X1

KH-4 MISSION 1116-1

HIGHLIGHTS

OBSERVED.

AIR ACTIVITY

25X1

14. WU-CHAI AIRFIELD NORTH (39-03-35N 111-44-45E, BE

25X1

TWENTY-NINE FAGOT/FRESCO AIRCRAFT, ONE CAB TRANSPORT, AND
ONE HOUND HELICOPTER WERE OBSERVED ON PHOTOGRAPHY OF [REDACTED]
ON A PARKING APRON AT WU-CHAI AIRFIELD NORTH, 10 NM
NORTH-NORTHWEST OF WU-CHAI AND 15 NM NORTH-NORTHWEST OF WU-CHAI
SSM LAUNCH COMPLEX [REDACTED] THIS IS THE FIRST
OBSERVATION AT THIS AIRFIELD OF A TRANSPORT AIRCRAFT AND OF A
HELICOPTER. FAGOT/FRESCO WERE FIRST OBSERVED AT THIS AIRFIELD
ON PHOTOGRAPHY OF [REDACTED]

25X1

25X1

25X1

25X1

NORTH KOREA

7

TOP SECRET

25X1

25X1

[REDACTED]
KH-4 MISSION 1116-1

HIGHLIGHTS

25X1

MISSILE ACTIVITY

25X1

16. SARIWON SAM SITE C10-2 (38-26-53N 126-13-55E, BE

25X1

[REDACTED]
SINGYE SAM SITE A30-2 (38-30-32N 126-28-55E, [REDACTED]

25X1

25X1

25X1

SARIWON SAM SITE C10-2, WHICH WAS UNOCCUPIED ON [REDACTED]
[REDACTED] WAS OCCUPIED [REDACTED]

25X1

25X1

SINGYE SAM SITE A30-2, UNDER CONSTRUCTION [REDACTED]
[REDACTED] WAS OBSERVED OCCUPIED FOR THE FIRST TIME ON
COVERAGE OF [REDACTED]

25X1

25X1

25X1

17. ANHYOP SAM SITE A28-2 (38-20-55N 126-49-40E, [REDACTED]

25X1

[REDACTED]
PYONGSAN SAM SITE A14-2 (38-17-20N 126-26-50E, BE

25X1

[REDACTED]
NUCHON-NI SAM SITE A22-2 (38-07-13N 126-10-33E, BE

25X1

[REDACTED]
PYONGGANG SAM SITE A35-2 (38-29-40N 127-15-29E, BE

25X1

[REDACTED]
PYONGGANG SAM SITE A33-2 (38-29-54N 127-12-42E, BE

25X1

FOUR OF THE FIVE KNOWN SAM SITES WITHIN 20 NM OF THE DMZ,
INCLUDING THE FIELD-DEPLOYED PYONGGANG SAM SITE A33-2, WERE
OCCUPIED [REDACTED] NO ACTIVITY WAS NOTED AT THE OTHER
FIELD-DEPLOYED SITE, PYONGGANG SAM SITE A35-2. THE AREA WITHIN
20 NM OF THE DMZ WAS COMPLETELY COVERED ON CLOUD-FREE
PHOTOGRAPHY. THE SEARCH OF THE DMZ AREA IS CONTINUING.

AIR ACTIVITY

25X1

18. HAMHUNG AIRFIELD NORTHEAST (39-59-58N 127-36-50E, BE

25X1

[REDACTED]
CONSTRUCTION ON THE PARALLEL TAXIWAY AND [REDACTED]
AT HAMHUNG AIRFIELD NORTHEAST WAS CONTINUING. THE RUNWAY IS
COMPLETE AND OPERATIONAL. THREE SMALL POSSIBLE DELTA-WING AND
THREE SMALL POSSIBLE SWEPT-WING AIRCRAFT WERE ON THE ALERT
APRONS [REDACTED]

25X1

MILITARY ACTIVITY

25X1

25X1

KH-4 MISSION 1116-1

HIGHLIGHTS

25X1

19. PYONGYANG AIRFIELD EAST (39-00-50N 125-50-45E, BE
[REDACTED])

25X1

THE LARGEST CONCENTRATION OF MILITARY EQUIPMENT EVER SEEN IN NORTH KOREA WAS MASSED IN POSSIBLE PARADE FORMATION ON AND ADJACENT TO THE RUNWAY AT PYONGYANG AIRFIELD EAST [REDACTED]. THE 805 VEHICLES/PIECES OF EQUIPMENT OBSERVED INCLUDED 18 POSSIBLE SA-2 LAUNCHERS, SEVEN PROBABLE MISSILE TRANSPORTERS, NINE POSSIBLE MISSILE TRANSPORTERS, 19 PROBABLE SA-2 TRANSPORTERS, SEVEN PROBABLE CANISTER TRANSPORTERS, 128 PROBABLE FA PIECES BEING TOWED, 17 POSSIBLE FA PIECES, 75 PROBABLE TRACKED PRIME MOVERS, 49 PROBABLE TRACKED VEHICLES, 38 POSSIBLE UAZ-69 UTILITY TRUCKS, 72 PROBABLE TRUCKS, AND 366 UNIDENTIFIED VEHICLES.

NORTH VIETNAM

25X1

MISCELLANEOUS ACTIVITY

20. DONG DANG TRUCK PARK NO 4 (21-58-18N 106-41-34E, BE
[REDACTED])A SIGNIFICANT DECREASE WAS NOTED IN VEHICLES STORED AT DONG
[REDACTED]

WERE NOT PRESENT [REDACTED] OTHER DONG DANG TRUCK PARKS DO NOT SHOW A COMPARABLE REDUCTION IN VEHICLES.

25X1

25X1

Attachments

TOP SECRET

KH-4 MISSION 1116-1

25X1

25X1

TABLE 1. DEPLOYED ICBM COMPLEXES, TYURATAM MTC, AND PLESETSK MSC

COMPLEX	SS-7	SS-8	SS-9	SS-11	SS-13		OTHER	TOTALS*	LAUNCH GROUPS	LAUNCHERS		
	TYPE IIA, B & D & IIIA	TYPE IIC & IIIB	TYPE IIIC	TYPE IIID	TYPE IIIE	TYPE IIIF	UNDET TYPE			NEW THIS MISSION	DROPPED THIS MISSION	
	SITES	LAUNCHERS							IDENTIFIED	INCLUDED IN TOTAL		
	LAUNCHERS									COMPLETE		
ALEYSK ★			30					30	5	5		
DOMBAROVSKIY ★			60				5	65	10	10		
DROVYANAYA	6	15		50				65	5	5		
GLADKAYA	3	7		60				67	6	6		
IMENI GASTELLO ★			48				5	53	8	8		
ITATKA	3	6						6				
KARTALY ★			42				5	47	7	7		
KOSTROMA	7	15		90				105	9	9		
KOZELSK		5	12		110			122	11	11		
NOVOSIBIRSK ★	5	12						12				
OLOVYANNAYA	3	9		90				99	9	9		
OMSK		1	3					3				
PERM	6	13		80				93	8	8		
SHADRINSK	3	9						9				
SVOBODNY	8	17		60				77	6	6		
TATISHCHEVO				120				120	12	12		
TEYKOVO ★	6	12		80				92	8	8		
TYUMEN		2	4					4				
UZHUR			60				5	65	10	10		
VERKHNYAYA SALDA	9	20						20				
YEDROVO ★	8	18		110				128	11	11		
YOSHKAR OLA	6	12			60			72	6	6		
YURYA	11	25						25				
ZHANGIZ-TOBE ★			48				5	53	8	8		
TOTALS	84	190	8	19	288	850	60	25	1432	139	139	

TYURATAM MTC ★	TOTAL LAUNCHERS INCLUDES SSM, R&D, AND SPACE LAUNCH POSITIONS	78			
PLESETSK MSC	TOTAL LAUNCHERS INCLUDES SSM, R&D, AND SPACE LAUNCH POSITIONS	34			

*TOTALS DO NOT INCLUDE THE TRAINING SITES AT THE 17 SINGLE-SILO COMPLEXES NOR THE TYPE IIID LAUNCH SITES AT THE DERAZHNYA MRBM COMPLEX AND THE PERVOMAYSK IRBM COMPLEX.

★COMPLEX AT LEAST PARTIALLY COVERED ON THIS MISSION.

25X1

TOP SECRET

25X1

25X1

TOP SECRET

KH-4 MISSION 1116-1

25X1

25X1

Table 2. SOVIET MRBM AND IRBM DEPLOYMENT

GEOGRAPHIC AREA	SOFT MRBM LAUNCH SITES	SOFT IRBM LAUNCH SITES	HARD MRBM LAUNCH SITES	HARD IRBM LAUNCH SITES	TOTAL LAUNCH SITES	TOTAL LAUNCH POSITIONS
WESTERN	100	10*	17	10	137	538**
CAUCASUS	3		2	3	8	29
CENTRAL ASIA	2	1	1	2	6	22
FAR EASTERN						
TOTALS	105	11	20	15	151	589**

Totals do not include 92 fixed field-type sites with total of 341 launch positions

*One has only 2 pads

**Totals do not include the 124 inactive launch positions at Aktyubinsk, Anastasyevka, Gvardeysk, Simferopol, Barano-Orenburgskoye, Balta, Uman (2 sites), Paplaka, Mukachevo, Derazhnya, Suchan, Kremovo, Kivertsy (1 site), Novosysoyevka, Ugolnyy, Zhitomir (1 site), and Kamenets Podolskiy Complexes

Table 3. TYPE IIID LAUNCH SITES AT MR/IRBM COMPLEXES

COMPLEX	SITES*	LAUNCH GROUPS	LAUNCHERS	
		IDENTIFIED	NEW THIS MISSION	DROPPED THIS MISSION
		COMPLETE	INCLUDED IN TOTAL	
DERAZHNYA	60	6 / 6		
PERVOMAYSK	60	6 / 6		
Totals*	120	12 / 12		

*Totals do not include training sites

Table 4. TYPE IIIG LAUNCH SITES AT MR/IRBM COMPLEXES**

COMPLEX	SITES	LAUNCH GROUPS	LAUNCHERS	
		IDENTIFIED	NEW THIS MISSION	DROPPED THIS MISSION
		COMPLETE	INCLUDED IN TOTAL	
DERAZHNYA	33	3 / 3		
PERVOMAYSK	33	3 / 3		
Totals	66	6 / 6		

**One site in each group has the dimensions and characteristics of a type IIIF launch site.

25X1

TOP SECRET

25X1

25X1

Approved For Release 2006/04/03 : CIA-RDP78T04562A004300010002-9

25X1

KH-4 MISSION 1116-1

CHINA, COMMUNIST
DEPLOYED STRATEGIC SSM FACILITIES

25X1

SIGNIFICANT RESULTS

25X1

CHING-YU ICBM TEST SITE

42-17-06N 126-52-35E

STATUS: OPERATIONAL

REMARKS:

AT THE LAUNCH SITE, THE SILO DOOR WAS CLOSED. HEAVY CLOUDS OR
HAZE OVER THE REMAINDER OF THE TEST SITE PRECLUDE FURTHER
INTERPRETATION.

25X1

MISSILE ORDER OF BATTLE:

1 PROB CRANE -- AT LAUNCH
SITE

25X1

25X1

KH-4 MISSION 1116-1

CHINA, COMMUNIST
MISSILE RANGES

25X1

SIGNIFICANT RESULTS

25X1

SHUANG-CHENG-TZU AIRFIELD

40-23-51N 099-47-29E

STATUS: OPERATIONAL

AIR ORDER OF BATTLE:

25X1

1 BULL
1 BEAGLE
15 FARMER
6 FAGOT/FRESCO
2 CRATE

4 SMALL SWEPT-WING
1 CAB
3 COLT
2 HOUND

25X1

SHUANG-CHENG-TZU MISSILE TEST CENTER

25X1

41-08-00N 100-15-00E

25X1

STATUS: OPERATIONAL

REMARKS:

THE ENTIRE TEST CENTER WAS COVERED BY SMALL-SCALE PHOTOGRAPHY. NO MISSILES OR MISSILE-ASSOCIATED EQUIPMENT WAS OBSERVED. AT LAUNCH COMPLEX B, THE GANTRY WAS AT THE SOUTHERN EDGE OF PAD B2 AND THE EMPTY PAD B2 LAUNCH STAND WAS VISIBLE. JUST EAST OF THE LAUNCH COMPLEX A CHECKOUT AREA, ABOUT FORTY TRUCKS AND CONTINUED TRACK ACTIVITY WERE OBSERVED. CONSTRUCTION CONTINUED ON THREE NEW BUILDINGS AT TRACKING FACILITY 10. NEW TRENCHES, SEVERAL TRUCKS, TEN TENTS, AND CONSIDERABLE TRACK ACTIVITY WERE APPARENT IN THE VICINITY OF THE STRONGPOINT ADJOINING THE SSM HOUSING AND SUPPORT AREA.

25X1

SHUANG-CHENG-TZU MTC SAM LAUNCH CPLX

41-04-53N 100-31-05E

25X1

STATUS: OPERATIONAL

REMARKS:

LAUNCH SITES A AND B WERE OCCUPIED. LAUNCH SITE C WAS UNOCCUPIED. NO CHANGES IN FACILITIES WERE OBSERVED.

25X1

25X1

[REDACTED]
[REDACTED]
KH-4 MISSION 1116-1

25X1

CHINA, COMMUNIST
MISSILE RANGES

25X1

WU-CHAI IRBM R/D A TNG LAUNCH SITE 1

38-49-52N 111-36-18E

25X1

STATUS: OPERATIONAL

REMARKS:

AN EMPTY CSS-2 TRANSPORTER ERECTOR, A LAUNCH STAND, AND FOUR OTHER VEHICLES OR PIECES OF EQUIPMENT WERE ON THE LAUNCH PAD. FOUR UNIDENTIFIED VEHICLES WERE NEAR THE LAUNCH PAD AND THREE OTHERS WERE NEAR THE CONTROL BUNKER. NO VEHICLES WERE PRESENT IN PROPELLANT AREAS NORTH AND SOUTH.

25X1

MISSILE ORDER OF BATTLE:

1 CSS-2 TRNSPRTR ERECTOR 11 VEHICLES/PIECES OF EQUIP
1 LAUNCH STAND

25X1

25X1

25X1

WU-CHAI SSM MAIN SUPPORT BASE

38-48-30N 111-36-58E

STATUS: OPERATIONAL

REMARKS:

A PROBABLE CSS-2 TRANSPORTER ERECTOR AND FOUR OTHER VEHICLES WERE OBSERVED IN THE AREA LEVELED OUT OF THE SIDE OF THE RAVINE AT THE SW END OF THE MISSILE ASSEMBLY AND CHECKOUT AREA. NUMEROUS OTHER VEHICLES WERE ALSO PRESENT IN THE MISSILE ASSEMBLY AND CHECKOUT AREA. THE SMALL SSM MOBILE TRACKING SITE TO THE NORTH WAS AGAIN OCCUPIED.

25X1

25X1

WU-CHAI SSM R+D/TEST COMPLEX

38-49-50N 111-36-20E

STATUS: OPERATIONAL

REMARKS:

THE ENTIRE COMPLEX, INCLUDING THE SEVEN SSM TRACKING FACILITIES, WAS OBSERVED. AT LAUNCH SITE 1, AN EMPTY CSS-2 TRANSPORTER ERECTOR, A LAUNCH STAND, AND FOUR OTHER VEHICLES OR

KH-4 MISSION 1116-1

CHINA, COMMUNIST
MISSILE RANGES

PIECES OF EQUIPMENT WERE ON THE LAUNCH PAD. TWO CANVAS-COVERED
PROBABLE LAUNCH STAND COMPONENTS, SIMILAR TO THOSE PREVIOUSLY
SEEN AT PAD B2 AT THE SHUANG-CHENG-TZU MISSILE TEST CENTER (BE
WERE AT A RAIL OFFLOADING POINT 0.5 NM SOUTH OF
LAUNCH SITE 1. THESE LAUNCH STAND COMPONENTS, IMAGED BEST ON
PHOTOGRAPHY OF , HAVE REMAINED AT THIS LOCATION
SINCE THEY WERE FIRST SEEN

25X1

WU-CHAI SSM TEST LAUNCH SITE 2

38-52-55N 111-35-27E

STATUS:UNDER CONSTRUCTION

REMARKS:

LAUNCH SILO CONSTRUCTION WAS CONTINUING. EARTH HAS BEEN
REMOVED FROM A CIRCULAR EXCAVATION IN THE RIDGE JUST WEST OF
THE SILO.

TWO CANVAS-COVERED PROBABLE LAUNCH STAND COMPONENTS, SIMILAR TO
THOSE PREVIOUSLY SEEN AT PAD B2 AT THE SHUANG-CHENG-TZU MISSILE
TEST CENTER , WERE AT A RAIL OFFLOADING POINT
APPROXIMATELY 3 NM SOUTH OF LAUNCH TEST SITE 2. THESE LAUNCH
STAND COMPONENTS IMAGED BEST ON PHOTOGRAPHY
HAVE REMAINED AT THIS LOCATION SINCE THEY WERE FIRST
OBSERVED

25X1

25X1

YA-ERH-TANG IMPACT SEARCH

40-55-//N 088-52-//E

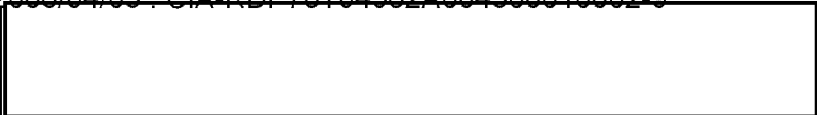
STATUS:UNKNOWN

REMARKS:

APPROXIMATELY 85 PERCENT OF THE SEARCH AREA WAS COVERED ON
CLOUD-FREE PHOTOGRAPHY. NO MISSILE IMPACT AREAS OR
MISSILE-RELATED ACTIVITY WAS OBSERVED.

25X1

Approved For Release 2006/04/03 : CIA-RDP78T04562A004300010002-9



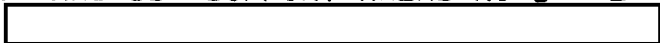
KH-4 MISSION 1116-1

CHINA, COMMUNIST
MISSILE RANGES

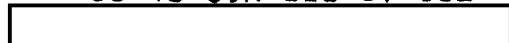
25X1

OTHER RESULTS-NO APPARENT CHANGE

WU-CHAI SSM SUPPORT AREAS NO 1 + 2



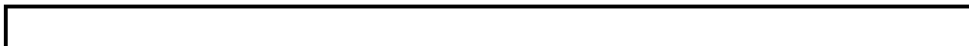
38-48-09N 111-37-08E



25X1

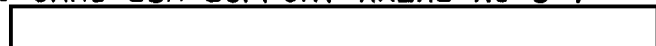
STATUS:COMPLETE

25X1

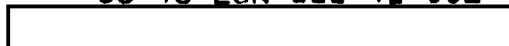


25X1

WU-CHAI SSM SUPPORT AREAS NO 3-7



38-48-28N 111-41-00E



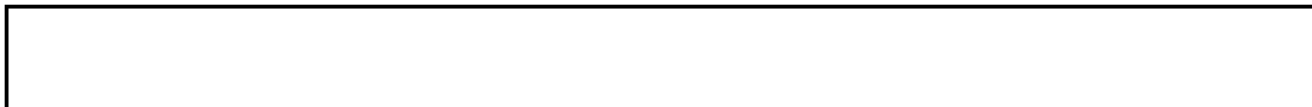
STATUS:UNKNOWN

25X1

25X1

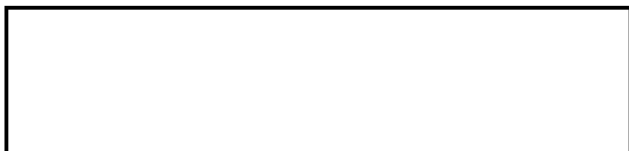
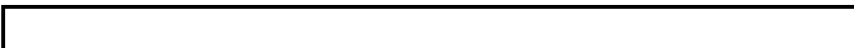


25X1



STATUS:UNKNOWN

25X1



25X1

Approved For Release 2006/04/03 : CIA-RDP78T04562A004300010002-9

25X1

[REDACTED]
KH-4 MISSION 1116-1

[REDACTED]
CHINA, COMMUNIST
AIR DEFENSE MISSILES

25X1

OTHER RESULTS-NO APPARENT CHANGE

SHAN-TAN SAM TRAINING AREA B

38-56-50N 101-08-18E

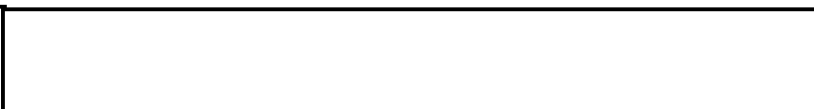
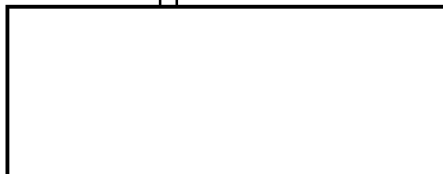
25X1

[REDACTED]
STATUS:UNOCCUPIED

25X1

[REDACTED]

25X1



KH-4 MISSION 1116-1

CHINA, COMMUNIST
COMMO/ELEC/RADAR FACILITIES

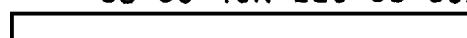
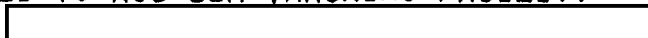
OTHER RESULTS-NO APPARENT CHANGE

25X1

25X1

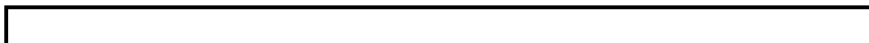
HEI-YU-KOU SSM TRACKING FACILITY

38-30-40N 110-55-30E



STATUS: UNDER CONSTRUCTION

25X1



25X1



25X1

KH-4 MISSION 1116-1

CHINA, COMMUNIST
AIR BASE FACILITIES

25X1

SIGNIFICANT RESULTS

25X1

LING-SHUI AIRFIELD

18-29-46N 109-59-19E

STATUS: OPERATIONAL

REMARKS:

ONE NEW SUPPORT BUILDING HAS BEEN BUILT AT THE NORTH END OF THE
SW AIRCRAFT PARKING APRON.

AIR ORDER OF BATTLE:

25X1

23 SMALL SWEPT-WING (AT
LEAST)

25X1

NING-MING AIRFIELD

22-07-15N 107-07-37E

25X1

STATUS: OPERATIONAL

25X1

AIR ORDER OF BATTLE:

19 SMALL SWEPT-WING

25X1

25X1

TIEN-YANG AIRFIELD

25X1

23-43-06N 106-57-39E

STATUS: OPERATIONAL

AIR ORDER OF BATTLE:

25X1

44 SMALL SWEPT-WING (AT
LEAST)

25X1

25X1

[REDACTED]
KH-4 MISSION 1116-1

CHINA, COMMUNIST
AIR BASE FACILITIES

25X1

WEN-SHUI AIRFIELD
[REDACTED]

37-24-25N 111-57-40E

25X1

STATUS: UNDER CONSTRUCTION

REMARKS:

25X1

THE ENE/WSW RUNWAY MEASURED APPROXIMATELY [REDACTED]
[REDACTED] THE RUNWAY AND PARALLEL TAXIWAY UNDER
CONSTRUCTION ARE TWO-THIRDS PREPARED EARTH WITH DEFINED EDGES
AND ONE-THIRD GRADED EARTH WITH UNDEFINED EDGES. CONSTRUCTION
ON THE SUPPORT FACILITIES WAS CONTINUING.

25X1

25X1

AIR ORDER OF BATTLE:

[REDACTED]
NONE DISCERNIBLE

25X1

OTHER RESULTS-NO APPARENT CHANGE

25X1

FO-LO AIRFIELD NORTHEAST

18-41-29N 109-09-29E

25X1

STATUS: UNKNOWN

25X1

AIR ORDER OF BATTLE:

[REDACTED]
NONE DISCERNIBLE

25X1

25X1

Approved For Release 2006/04/03 : CIA-RDP78T04562A004300010002-9

25X1

KH-4 MISSION 1116-1

CHINA, COMMUNIST
NAVAL BASE FACILITIES

SIGNIFICANT RESULTS

25X1

25X1

YU-LIN NAVAL BASE AND SHIPYARD

18-13-17N 109-31-59E

STATUS: OPERATIONAL

NAVAL ORDER OF BATTLE:

25X1

2 PROB KIANGNAN DE
1 PROB KRONSTADT PC
3 PROB SHANGHAI-II PGM

6 POSS P-4 PT
1 PROB OCEAN FREIGHTER
CRAFT (SEVERAL)

25X1

YU-LIN NAVAL FACILITY SOUTH

18-13-31N 109-32-55E

25X1

STATUS: OPERATIONAL

NAVAL ORDER OF BATTLE:

25X1

6 R/W SS

2 SMALL CRAFT

25X1

-- IN HARBOR
2 COASTAL FREIGHTERS

25X1

YU-LIN SHIP REPAIR YARD

25X1

18-13-43N 109-33-05E

25X1

STATUS: OPERATIONAL

NAVAL ORDER OF BATTLE:

25X1

1 R/W SS
1 POSS KIANGNAN DE

1 PROB SHANGHAI-II PGM

25X1

25X1

[REDACTED]
KH-4 MISSION 1116-1

CHINA, COMMUNIST
GROUND FORCE FACILITIES

25X1

SIGNIFICANT RESULTS

25X1

TAI-YUAN ARMOR DISPERSAL AREA 1

38-02-00N 112-41-45E

[REDACTED]
STATUS: OCCUPIED

REMARKS:

THE STORAGE BUILDINGS APPEARED COMPLETE.

25X1

GROUND FORCE ORDER OF BATTLE:

[REDACTED]
8 POSS TRACKED VEHICLES

25X1

25X1

Page Denied

Next 1 Page(s) In Document Denied

25X1

[REDACTED]
KH-4 MISSION 1116-1

CHINA, COMMUNIST
INDUSTRY

25X1

SIGNIFICANT RESULTS

25X1

PING-HSIANG RR TRNSLDG YD STN + SHOPS

22-04-20N 106-44-20E

[REDACTED]
STATUS: OPERATIONAL

25X1

REMARKS:

THE CLASSIFICATION YARD WAS APPROXIMATELY 30 PERCENT FILLED

ASSOCIATED OBJECTS:

[REDACTED] -- IN RAIL-TO-ROAD TRANSSHIPMENT YARD
50 PROB CARGO TRUCKS

25X1

OTHER RESULTS-NO APPARENT CHANGE

25X1

25X1

TAI-YUAN EXPL + SOLID MTR PROD PLT 245

37-59-06N 112-31-52E

[REDACTED]
STATUS: OPERATIONAL

25X1

25X1

KH-4 MISSION 1116-1

UNITED ARAB REPUBLIC
AIR BASE FACILITIES

25X1

SIGNIFICANT RESULTS

25X1

AL MANSURAH AIRFIELD

30-58-03N 031-25-37E

25X1

STATUS: OPERATIONAL

AIR ORDER OF BATTLE:

4 POSS AIRCRAFT (AT LEAST)

25X1

25X1

25X1

AL MANZILAH AIRFIELD

31-03-05N 031-54-25E

STATUS: OPERATIONAL

REMARKS:

CONSTRUCTION CONTINUED ON THE POSSIBLE HANGARETTES AT THE SE
END OF THE NW/SE RUNWAY.

25X1

AIR ORDER OF BATTLE:

NONE DISCERNIBLE

25X1

25X1

25X1

AS SALIHIYAH AIRFIELD

30-47-55N 032-02-20E

STATUS: OPERATIONAL

AIR ORDER OF BATTLE:

3 PROB AIRCRAFT (AT LEAST)

25X1

25X1

AZ ZAQAQIY AIRFIELD

25X1
30-35-38N 031-39-50E

25X1

STATUS: OPERATIONAL

25X1

KH-4 MISSION 1116-1

UNITED ARAB REPUBLIC
AIR BASE FACILITIES

REMARKS:

25X1

CONSTRUCTION ACTIVITY CONTINUED ON THE NEW HANGARETTE NEAR THE
CENTER OF THE RUNWAY.

AIR ORDER OF BATTLE:

25X1

3 POSS AIRCRAFT

25X1

BENI SUEF AIRFIELD

29-11-55N 031-01-00E

25X1

STATUS: OPERATIONAL

AIR ORDER OF BATTLE:

25X1

2 MEDIUM STRAIGHT-WING

25X1

BILBAYS AIRFIELD

30-23-42N 031-35-54E

25X1

STATUS: OPERATIONAL

AIR ORDER OF BATTLE:

25X1

2 PROB FITTER

2 SMALL STRAIGHT-WING

5 PROB SWEEP-WING

2 PROB AIRCRAFT

2 CRATE

25X1

BIRMA AIRFIELD

30-50-17N 030-56-10E

25X1

STATUS: OPERATIONAL

REMARKS:

WEATHER CONDITIONS PRECLUDED INTERPRETATION OF THE STATUS OF
PREVIOUSLY REPORTED HANGARETTE CONSTRUCTION.

25X1

AIR ORDER OF BATTLE:

25

TOP SECRET

25X1

25X1

KH-4 MISSION 1116-1

UNITED ARAB REPUBLIC
AIR BASE FACILITIES

25X1

7 PROB SMALL SWEPT-WING (AT
LEAST)

25X1

CAIRO AIRFIELD WEST

30-06-10N 030-55-40E

25X1

STATUS: OPERATIONAL

REMARKS:

PORTIONS OF THE ESE/WWN RUNWAY WERE BEING COVERED WITH A
LIGHT-COLORED MATERIAL.

25X1

AIR ORDER OF BATTLE:

3 PROB BADGER

4 LIGHT STRAIGHT-WING (AT
LEAST)

25X1

7 MEDIUM STRAIGHT-WING

25X1

INSHAS AIRFIELD

30-19-47N 031-27-23E

25X1

STATUS: OPERATIONAL

25X1

AIR ORDER OF BATTLE:

6 PROB SWEPT/DELTA-WING (AT
LEAST)

25X1

25X1

WADI ABU RISH AIRFIELD

28-58-45N 031-42-00E

25X1

STATUS: OPERATIONAL

REMARKS:

CONSTRUCTION CONTINUED ON THE NEW-TYPE HANGARETTES.

25X1

AIR ORDER OF BATTLE:

NONE DISCERNIBLE

25X1

Approved For Release 2006/04/03 : CIA-RDP78T04562A004300010002-9

25X1

KH-4 MISSION 1116-1

UNITED ARAB REPUBLIC
AIR BASE FACILITIES

25X1

[REDACTED]

25X1

OTHER RESULTS-NO APPARENT CHANGE

AL FAYYUM AIRFIELD

25X1

29-33-25N 030-54-10E

[REDACTED]

[REDACTED]

STATUS:OPERATIONAL

25X1

AIR ORDER OF BATTLE:

[REDACTED]

NONE DISCERNIBLE

25X1

[REDACTED]

25X1

BILBAYS AIRFIELD 2

30-25-20N 031-40-40E

[REDACTED]

[REDACTED]

25X1

STATUS:OPERATIONAL

AIR ORDER OF BATTLE:

[REDACTED]

NONE DISCERNIBLE

25X1

[REDACTED]

25X1

25X1

KH-4 MISSION 1116-1

UNITED ARAB REPUBLIC
GROUND FORCE FACILITIES

25X1

25X1

SIGNIFICANT RESULTS

SUEZ CANAL SPECIAL AREA 0704

31-06-00N 032-15-00E

STATUS:OCCUPIED

REMARKS:

NO NEW SIGNIFICANT MILITARY ACTIVITY WAS DISCERNIBLE ON EITHER
SIDE OF THE SUEZ CANAL.

25X1

SUEZ CANAL SPECIAL AREA 0708

30-54-00N 032-15-00E

STATUS:OCCUPIED

REMARKS:

NO NEW SIGNIFICANT MILITARY ACTIVITY WAS DISCERNIBLE ON EITHER
SIDE OF THE SUEZ CANAL.

25X1

SUEZ CANAL SPECIAL AREA 0712

30-42-00N 032-15-00E

STATUS:OCCUPIED

REMARKS:

NO NEW SIGNIFICANT MILITARY ACTIVITY WAS DISCERNIBLE ON EITHER
SIDE OF THE SUEZ CANAL.

25X1

SUEZ CANAL SPECIAL AREA 0716

30-30-00N 032-15-00E

STATUS:OCCUPIED

REMARKS:

NO NEW SIGNIFICANT MILITARY ACTIVITY WAS DISCERNIBLE ON EITHER
SIDE OF THE SUEZ CANAL.

25X1

25X1

25X1

KH-4 MISSION 1116-1

UNITED ARAB REPUBLIC
GROUND FORCE FACILITIES

25X1

25X1

SUEZ CANAL SPECIAL AREA 1204

30-18-00N 032-15-00E

STATUS:OCCUPIED

REMARKS:

25X1

NO NEW SIGNIFICANT MILITARY ACTIVITY WAS DISCERNIBLE.

25X1

SUEZ CANAL SPECIAL AREA 1301

25X1
30-18-00N 032-33-00E

STATUS:OCCUPIED

REMARKS:

NO NEW SIGNIFICANT MILITARY ACTIVITY WAS DISCERNIBLE

25X6

25X1

OTHER RESULTS-NO APPARENT CHANGE

25X1

25X1

AT TALL AL KABIR BARRACKS

30-33-43N 031-43-49E

STATUS:UNKNOWN

25X1

GROUND FORCE ORDER OF BATTLE:

NONE DISCERNIBLE

25X1

25X1

KH-4 MISSION 1116-1

KOREA, NORTH
AIR DEFENSE MISSILES

SIGNIFICANT RESULTS

25X1

25X1

ANHYOP SAM SITE A28-2

38-20-55N 126-49-40E

STATUS:OCCUPIED

25X1

MISSILE ORDER OF BATTLE:

3 PROB SA-2 LAUNCHERS
3 SA-2 MISSILE TRNSPTRS

1 PROB SA-2 MISSILE TRNSPTR

25X1

ELECTRONIC ORDER OF BATTLE:

1 FAN SONG

25X1

NUCHON NI SAM SITE A22-2

38-07-13N 126-10-33E

STATUS:OCCUPIED

25X1

25X1

25X1

MISSILE ORDER OF BATTLE:

1 POSS SA-2 MISSILE
6 PROB SA-2 LAUNCHERS

1 POSS SA-2 MISSILE TRNSPTR

25X1

ELECTRONIC ORDER OF BATTLE:

1 FAN SONG
3 PROB FAN SONG SUPPORT
VANS

25X1

PYONGGANG SAM SITE A33-2

38-29-54N 127-12-42E

STATUS:OCCUPIED

25X1

MISSILE ORDER OF BATTLE:

1 POSS SA-2 MISSILE
3 PROB SA-2 LAUNCHERS

3 SA-2 MISSILE TRNSPTRS

25X1

25X1

25X1

KH-4 MISSION 1116-1

KOREA, NORTH
AIR DEFENSE MISSILES

25X1

ELECTRONIC ORDER OF BATTLE:

1 POSS FAN SONG

25X1

25X1

PYONGSAN SAM SITE A14-2

38-17-20N 126-26-50E

25X1

STATUS:OCCUPIED

REMARKS:

CONSTRUCTION ON THE SUPPORT AREA AND THE ACQUISITION RADAR SITE
WAS CONTINUING. FIVE OF THE LAUNCH REVETMENTS WERE OCCUPIED.

25X1

MISSILE ORDER OF BATTLE:

5 POSS LAUNCHERS

25X1

ELECTRONIC ORDER OF BATTLE:

1 PROB FAN SONG

25X1

ASSOCIATED OBJECTS:

7 VEHICLES/PIECES OF EQUIP

25X1

25X1

SARIWON SAM SITE C10-2

38-26-53N 126-13-55E

25X1

STATUS:OCCUPIED

25X1

MISSILE ORDER OF BATTLE:

2 POSS SA-2 MISSILES

6 PROB SA-2 LAUNCHERS

25X1

ELECTRONIC ORDER OF BATTLE:

1 PROB FAN SONG

25X1

25X1

25X1

[REDACTED]
KH-4 MISSION 1116-1

[REDACTED]
KOREA, NORTH
AIR DEFENSE MISSILES

25X1

SINGYE SAM SITE A30-2

25X1

38-30-32N 126-28-55E

[REDACTED]
STATUS:OCCUPIED

PHYSICAL DESCRIPTION:

2.5 NM WNW OF SINGYE.

THIS IS AN UPDATED DESCRIPTION, THE SITE CONSISTS OF SIX
RENETTED LAUNCH POSITIONS, A CENTRAL GUIDANCE AREA CONTAINING A
RENETTED RADAR POSITION, AND A SUPPORT AREA CONTAINING FOUR
SUPPORT BUILDINGS AND FIVE BUILDINGS UNDER CONSTRUCTION.

25X1

MISSILE ORDER OF BATTLE:

[REDACTED]
2 POSS SA-2 MISSILES
6 PROB SA-2 LAUNCHERS

7 PROB SA-2 MISSILE
TRNSPTRS

25X1

ELECTRONIC ORDER OF BATTLE:

[REDACTED]
1 PROB FAN SONG

25X1

OTHER RESULTS-NO APPARENT CHANGE

25X1

PYONGGANG SAM SITE A35-2

25X1

38-29-40N 127-15-29E

[REDACTED]
STATUS:UNOCCUPIED

25X1

25X1

KH-4 MISSION 1116-1

KOREA, NORTH
AIR BASE FACILITIES

SIGNIFICANT RESULTS

25X1

25X1

HAMHUNG AIRFIELD NORTHEAST

39-59-38N 127-36-53E

STATUS: OPERATIONAL

REMARKS:

CONSTRUCTION WAS CONTINUING ON THE PARALLEL TAXIWAY AND
AIRCRAFT TUNNELS. THE RUNWAY WAS COMPLETE AND OPERATIONAL.

25X1

AIR ORDER OF BATTLE:

3 POSS SMALL DELTA-WING

3 POSS SMALL SWEEP-WING

25X1

25X1

25X1

HWANGJU AIRFIELD

38-38-59N 125-47-30E

STATUS: OPERATIONAL

REMARKS:

POOR INTERPRETABILITY PRECLUDED A DETERMINATION OF HANGARETTE
CONSTRUCTION STATUS AT THE EAST END OF THE RUNWAY.

25X1

AIR ORDER OF BATTLE:

18 PROB FISHBED

3 PROB SMALL SWEEP-WING

25 PROB FAGOT/FRESCO

25X1

25X1

25X1

PUKCHANG-NI AIRFIELD

39-30-07N 125-58-02E

STATUS: OPERATIONAL

25X1

AIR ORDER OF BATTLE:

19 PROB FITTER

28 PROB FISHBED

3 POSS FITTER

4 POSS FISHBED

25X1

25X1

-- IN REVETMENTS
9 POSS SMALL AIRCRAFT (AT

25X1

KH-4 MISSION 1116-1

KOREA, NORTH
AIR BASE FACILITIES

25X1

LEAST)

25X1

25X1

PYONGYANG AIRFIELD EAST

39-00-50N 125-50-45E

STATUS:NOT OPERATIONAL

REMARKS:

THE LARGEST CONCENTRATION OF MILITARY EQUIPMENT EVER OBSERVED
IN NORTH KOREA WAS MASSED IN POSSIBLE PARADE FORMATION ON AND
ADJACENT TO THE RUNWAY.

25X1

AIR ORDER OF BATTLE:

NONE DISCERNIBLE

25X1

ASSOCIATED OBJECTS:

18 POSS SA-2 LAUNCHERS
19 PROB SA-2 TRANSPORTERS
7 PROB MISSILE TRANSPORTERS
9 POSS MISSILE TRANSPORTERS
7 PROB CANISTER
TRANSPORTERS
128 PROB FA PIECES (BEING
TOWED)

17 POSS FA PIECES
75 PROB TRACKED PRIME
MOVERS
49 PROB TRACKED VEHICLES
38 POSS UAZ-69 UTILITY
TRUCKS
72 PROB TRUCKS
366 VEHICLES

25X1

PYONG-NI AIRFIELD

39-24-29N 125-53-39E

25X1

STATUS:OPERATIONAL

25X1

25X1

AIR ORDER OF BATTLE:

6 POSS COLT (AT LEAST)

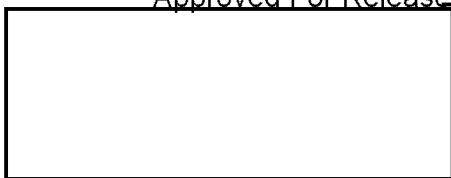
1 MEDIUM STRAIGHT-WING

25X1

25X1

Approved For Release 2006/04/03 : CIA-RDP78T04562A004300010002-9

25X1



KH-4 MISSION 1116-1

KOREA, NORTH
AIR BASE FACILITIES

25X1

25X1

SAAMCHAM AIRFIELD

39-45-03N 125-54-14E



STATUS: OPERATIONAL

25X1

AIR ORDER OF BATTLE:



17 PROB FARMER

53 PROB FAGOT/FRESCO

25X1

ASSOCIATED OBJECTS:



-- IN MAINTENANCE/DISPERSAL AREA

9 UNIDENTIFIED OBJECTS

(POSS AIRCRAFT CRATES)

25X1

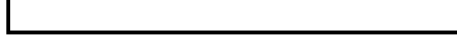


25X1

SONDONG-NI AIRFIELD

39-44-42N 127-28-35E

25X1



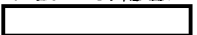
STATUS: OPERATIONAL

REMARKS:

POSSIBLE CONSTRUCTION WAS UNDERWAY AT THE NORTH END OF THE
FIELD. THE RUNWAY APPEARED SERVICEABLE.

25X1

AIR ORDER OF BATTLE:



NONE DISCERNIBLE

25X1

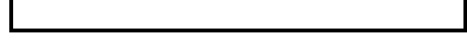


25X1

SUNAN-UP AIRFIELD

39-11-56N 125-40-25E

25X1



STATUS: OPERATIONAL

25X1

AIR ORDER OF BATTLE:



12 BEAGLE

2 COOT

2 PROB COKE

1 PROB CRATE

5 CAB

1 POSS CAB

11 PROB COLT

2 SMALL STRAIGHT-WING

3 PROB MEDIUM HELICOPTERS

25X1

35

TOP SECRET



25X1



KH-4 MISSION 1116-1

KOREA, NORTH
AIR BASE FACILITIES

25X1



25X1

25X1

WONSAN AIRFIELD

39-09-54N 127-29-07E



STATUS: OPERATIONAL

AIR ORDER OF BATTLE:

25X1



50 SMALL SWEEP-WING

1 MEDIUM STRAIGHT-WING

1 SMALL STRAIGHT-WING

25X1



25X1

KH-4 MISSION 1116-1

KOREA, NORTH
NAVAL BASE FACILITIES

SIGNIFICANT RESULTS

25X1

MUNCHON NVB/SHYD A MSL SPT FAC

25X1

39-17-59N 127-23-58E

STATUS: OPERATIONAL

NAVAL ORDER OF BATTLE:

25X1

2 POSS KOMAR PTG
1 POSS P-6 PT

5 POSS COMBATANTS
14 VESSELS

25X1

TOP SECRET

25X1

25X1

KH-4 MISSION 1116-1

KOREA, NORTH
GROUND FORCE FACILITIES

25X1

SIGNIFICANT RESULTS

25X1

CHONGDAN BKS A STOR AREA NNW

38-22-40N 125-51-50E

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:

25X1

24 PROB VEHICLES/PIECES OF
EQUIP (APPROX)

25X1

25X1

25X1

CHONSO-RI HQ TK REGT A BKS AREA

39-10-00N 125-39-10E

STATUS:OCCUPIED

25X1

GROUND FORCE ORDER OF BATTLE:

6 TANKS/ASSAULT GUNS 8 VEHICLES

25X1

25X1

25X1

KAESONG ARMY BKS AND HQ U/I TANK BN

37-59-49N 126-35-31E

STATUS:OCCUPIED

25X1

GROUND FORCE ORDER OF BATTLE:

25X1

-- IN AREA B
9 POSS TANKS/ASSAULT GUNS

25X1

25X1

KUMCHON HQ TK DIV/ARMY BKS/STOR

39-24-40N 125-44-40E

STATUS:OCCUPIED

25X1

GROUND FORCE ORDER OF BATTLE:

8 VEHICLES

38

TOP SECRET

25X1

25X1

--	--

KH-4 MISSION 1116-1

KOREA, NORTH
GROUND FORCE FACILITIES

25X1

--

25X1

25X1

MUNMYONG-NI BKS A STOR AREA

38-12-45N 126-26-50E

--

--

STATUS:OCCUPIED

25X1

GROUND FORCE ORDER OF BATTLE:

--

8 PROB VEHICLES

25X1

--

25X1

POKKYE-RI HQ TK REGT A BKS AREA E

38-26-38N 127-17-55E

25X1

--

--

STATUS:OCCUPIED

25X1

GROUND FORCE ORDER OF BATTLE:

--

11 PROB TANKS/ASSAULT GUNS

25X1

--

25X1

SANGJOK-TONG ARMY BKS A HQ AG

38-29-44N 127-20-09E

25X1

--

--

STATUS:OCCUPIED

25X1

GROUND FORCE ORDER OF BATTLE:

--

3 PROB VEHICLES

25X1

--

25X1

SINANSANG-NI ARMY BKS

38-38-27N 127-43-15E

25X1

--

--

STATUS:OCCUPIED

25X1

GROUND FORCE ORDER OF BATTLE:

--

8 PROB VEHICLES/PIECES OF

39

25X1

TOP SECRET

--

25X1

KH-4 MISSION 1116-1

KOREA, NORTH
GROUND FORCE FACILITIES

25X1

EQUIP

25X1

25X1

SOKCHON-NI BKS/STOR A HQ INF DIV

38-14-23N 126-37-50E

STATUS:OCCUPIED

25X1

GROUND FORCE ORDER OF BATTLE:

7 POSS VEHICLES

25X1

25X1

25X1

SONGAM-NI ARMY BKS AND HQS INF DIV

38-23-20N 127-25-22E

STATUS:OCCUPIED

25X1

GROUND FORCE ORDER OF BATTLE:

2 POSS CARGO TRUCKS

25X1

25X1

25X1

YANGJI-CHON BKS A HQ INF DIV

38-26-42N 128-06-54E

STATUS:OCCUPIED

25X1

GROUND FORCE ORDER OF BATTLE:

3 PROB VEHICLES

25X1

25X1

YONGYON-NI ARMY BARRACKS

38-23-25N 127-11-45E

25X1

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:

25X1

40

TOP SECRET

25X1

25X1

KOREA, NORTH
GROUND FORCE FACILITIES

25X1

9 POSS TANKS/ASSAULT GUNS

--

OTHER RESULTS-NO APPARENT CHANGE

25X1

ANHYOP ARMY BKS A HQ 45 DIV A 89 REGT

38-20-34N 126-55-30E

25X1

--

--

STATUS:OCCUPIED

25X1

GROUND FORCE ORDER OF BATTLE:

--

25X1

NONE DISCERNIBLE

--

25X1

25X1

HOEYANG ARMY BKS A HQ ARMY GROUP

38-42-33N 127-35-54E

--

--

STATUS:OCCUPIED

25X1

GROUND FORCE ORDER OF BATTLE:

--

NONE DISCERNIBLE

25X1

--

25X1

25X1

KAESONG ARMY BKS A HQ INF DIV

38-00-30N 126-31-23E

--

--

STATUS:OCCUPIED

25X1

GROUND FORCE ORDER OF BATTLE:

--

NONE DISCERNIBLE

25X1

--

--

25X1

KH-4 MISSION 1116-1

KOREA, NORTH
GROUND FORCE FACILITIES

25X1

25X1

KALGOL HQ HV TK REGT A BKS AREA

39-06-10N 125-57-10E

STATUS:OCCUPIED

25X1

GROUND FORCE ORDER OF BATTLE:

NONE DISCERNIBLE

25X1

25X1

KOKSAN-GUN MTZ INF DIV/BKS/STOR AREA

38-45-20N 126-35-33E

25X1

STATUS:OCCUPIED

25X1

GROUND FORCE ORDER OF BATTLE:

NONE DISCERNIBLE

25X1

25X1

KOKSAN-GUN MTZ INF REGT A ARMY BKS

38-46-46N 126-39-25E

25X1

STATUS:OCCUPIED

25X1

GROUND FORCE ORDER OF BATTLE:

NONE DISCERNIBLE

25X1

25X1

KOSAN ARMY SUPPLY DEPOT

38-51-29N 127-25-41E

25X1

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:

25X1

NONE DISCERNIBLE

25X1

KH-4 MISSION 1116-1

KOREA, NORTH
GROUND FORCE FACILITIES

25X1

25X1

25X1

KOUM-DONG HQ ARMY BKS

38-23-08N 126-22-11E

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:

25X1

NONE DISCERNIBLE

25X1

25X1

KUJONG-DONG HQ HOW REGT A ARMY BKS

38-00-02N 126-41-45E

25X1

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:

25X1

NONE DISCERNIBLE

25X1

25X1

KUMCHON BARRACKS AREA NORTH

38-12-30N 126-30-00E

25X1

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:

25X1

NONE DISCERNIBLE

25X1

25X1

MASAN-NI ARMY BKS A HQ INF DIV

38-25-33N 127-10-53E

25X1

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:

25X1

NONE DISCERNIBLE

25X1

KH-4 MISSION 1116-1

25X1

KOREA, NORTH
GROUND FORCE FACILITIES

25X1

PYONGYANG ARMY BKS + STORAGE AREA EAST

25X1

39-03-25N 125-52-35E

STATUS:OCCUPIED

25X1

GROUND FORCE ORDER OF BATTLE:

NONE DISCERNIBLE

25X1

25X1

SAIRWON ARMY BKS AND HQ 46TH INF DIV

38-24-16N 127-41-29E

25X1

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:

25X1

NONE DISCERNIBLE

25X1

25X1

25X1

SANGJOK-TONG ARMY BARRACKS WEST

38-29-30N 127-19-14E

STATUS:OCCUPIED

25X1

GROUND FORCE ORDER OF BATTLE:

NONE DISCERNIBLE

25X1

25X1

25X1

SARIWON ARMY BKS A STOR AREA NNE

38-31-55N 125-46-12E

STATUS:OCCUPIED

25X1

GROUND FORCE ORDER OF BATTLE:

NONE DISCERNIBLE

25X1

[REDACTED]
KH-4 MISSION 1116-1

25X1

KOREA, NORTH
GROUND FORCE FACILITIES

[REDACTED]

25X1

SINOPA HQ A BKS AREA MTZ INF DIV

39-19-02N 125-37-26E

25X1

[REDACTED]
STATUS:OCCUPIED

25X1

GROUND FORCE ORDER OF BATTLE:

[REDACTED]
NONE DISCERNIBLE

25X1

[REDACTED]

25X1

SOWON-DONG BKS A HQ INF DIV

38-04-12N 126-44-22E

25X1

[REDACTED]
STATUS:OCCUPIED

25X1

GROUND FORCE ORDER OF BATTLE:

[REDACTED]
NONE DISCERNIBLE

25X1

[REDACTED]

25X1

TOK KOL HQ INF DIV A ARMY BKS

38-35-42N 127-17-16E

25X1

[REDACTED]
STATUS:OCCUPIED

25X1

GROUND FORCE ORDER OF BATTLE:

[REDACTED]
NONE DISCERNIBLE

25X1

[REDACTED]

25X1

WA-DONG ARMY BKS A HQ INF DIV

38-11-23N 126-50-47E

25X1

[REDACTED]
STATUS:OCCUPIED

25X1

GROUND FORCE ORDER OF BATTLE:

[REDACTED]
NONE DISCERNIBLE

25X1



KH-4 MISSION 1116-1

KOREA, NORTH
GROUND FORCE FACILITIES

25X1

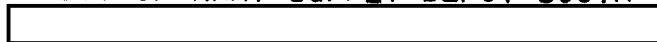


25X1

YANGDOG-UP ARMY SUPPLY DEPOT SOUTH

25X1

39-10-21N 126-37-56E



25X1

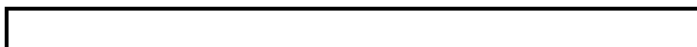
STATUS: OPERATIONAL

GROUND FORCE ORDER OF BATTLE:



NONE DISCERNIBLE

25X1



25X1

KH-4 MISSION 1116-1

PAKISTAN
AIR BASE FACILITIES

25X1

OTHER RESULTS-NO APPARENT CHANGE

25X1

HYDERABAD AIRFIELD NEW

25-19-20N 068-21-50E

STATUS:UNKNOWN

25X1

25X1

KH-4 MISSION 1116-1

SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

25X1

SIGNIFICANT RESULTS

25X1

ALEYSK ICBM COMPLEX

52-28-45N 083-05-20E

STATUS: OPERATIONAL

REMARKS:

ALL KNOWN COMPONENTS OF THE COMPLEX WERE OBSERVED. NO MISSILE ACTIVITY WAS OBSERVED ON PARTIAL COVERAGE OF THE SEARCH AREA.

25X1

25X1

DOMBAROVSKIY ICBM COMPLEX

51-07-46N 060-09-57E

25X1

STATUS: OPERATIONAL

REMARKS:

ALL KNOWN COMPONENTS OF THE COMPLEX AND THE SEARCH AREA WERE OBSERVED. BUILDING FOUNDATIONS OBSERVED AT TYPE IIIF LAUNCH SITES 72 AND 74 ARE PROBABLY FOR THE SITE SUPPORT BUILDING. AT LAUNCH SITE 76, THREE SILO LINER SEGMENTS WERE ON THE LONG PORTION OF THE APRON AND ONE WAS UNDER CONSTRUCTION ON THE SHORT PORTION OF THE APRON. NO BRIDGE CRANE WAS OBSERVED. AT LAUNCH SITE 73, FIVE SILO LINER SEGMENTS WERE ON THE SILO APRON. THE SEGMENT NEAREST THE SILO APPEARED TO BE TALLER THAN THE OTHER FOUR. BRIDGE CRANES WERE AT ALL IIIF LAUNCH SITES EXCEPT LAUNCH SITE 76. NO NEW MISSILE ACTIVITY WAS OBSERVED.

25X1

25X1

25X1

IMENI GASTELLO ICBM COMPLEX

51-16-41N 065-55-50E

STATUS: OPERATIONAL

REMARKS:

ALL KNOWN COMPONENTS OF THE COMPLEX AND THE SEARCH AREA WERE OBSERVED. CONSTRUCTION HAD CONTINUED AT LAUNCH SITES 57, 59, AND 60. AT LAUNCH SITE 57, THE APRON APPEARED TO BE NEARLY COMPLETE. AT LAUNCH SITE 59, THE APRON APPEARED TO BE NEARLY COMPLETE AND THE AREA IMMEDIATELY (KH THE SILO APPEARED TO BE RECESSED. AT LAUNCH SITE 60, GRADING FOR THE APRON WAS DISCERNIBLE. NO NEW MISSILE ACTIVITY WAS OBSERVED IN THE

25X1

[REDACTED]
KH-4 MISSION 1116-1

[REDACTED]
SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

25X1

SEARCH AREA.

[REDACTED]
25X1

25X1

KARTALY ICBM COMPLEX

52-53-11N 060-34-17E

[REDACTED]
STATUS: OPERATIONAL

REMARKS:

NINE OF THE 42 KNOWN SS-9 LAUNCH SITES AND THREE OF THE FIVE KNOWN TYPE IIIF LAUNCH SITES WERE OBSERVED. SIX OTHER SS-9 LAUNCH SITES AND ONE OTHER TYPE IIIF LAUNCH SITE WERE IDENTIFIABLE ONLY. THE COMPLEX SUPPORT FACILITIES AND THE RAIL-TO-ROAD TRANSFER POINT WERE PARTIALLY OBSERVED, BUT INTERPRETABILITY IN THESE AREAS WAS LIMITED BY SCATTERED CLOUDS.

NO SIGNIFICANT PROGRESS WAS NOTED IN CONSTRUCTION AT THE TYPE IIIF LAUNCH SITES. LAUNCH SITES 54 AND 55 HAD PROBABLE ENVIRONMENTAL COVERS OVER THEIR SILOS WHILE THE SILO AT LAUNCH SITE 57 WAS VISIBLE. SITE ACCESS ROADS HAD BEEN BUILT FROM THE MAIN COMPLEX ROAD TO LAUNCH SITES 55 AND 57.

25X2

CONSTRUCTION HAS CONTINUED ON THE PROBABLE MISSILE-RECEIVING AREA. THE ACCESS ROAD APPARENTLY IS GRADED OR PAVED FROM THE PAVED APRON TO THE MAIN ROAD IN THE RECEIVING AREA. NO

25X1

[REDACTED]
ACTIVITY WAS OBSERVED ON PARTIAL COVERAGE OF THE SEARCH AREA.

[REDACTED]
25X1

25X1

KOZELSK ICBM COMPLEX

54-07-34N 035-29-22E

[REDACTED]
STATUS: UNKNOWN

REMARKS:

THE COMPLEX WAS NOT OBSERVED. NO SILO CONSTRUCTION WAS OBSERVED ON PARTIAL COVERAGE OF THE SEARCH AREA.

25X1

[REDACTED]
25X1

25X1

KH-4 MISSION 1116-1

SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

25X1

MOLOSKOVITSY MRBM COMPLEX

25X1
59-33-15N 028-57-16E

STATUS:OPERATIONAL

REMARKS:

LAUNCH SITES 2 AND 3 WERE COMPLETELY OBSERVED. LAUNCH SITE 1 AND THE HF COMMUNICATIONS FACILITY WERE PARTIALLY OBSERVED. FIXED FIELD SITES 1 AND 2 AND THE RAIL-TO-ROAD TRANSFER POINT WERE IDENTIFIABLE ONLY. AT LAUNCH SITES 1 AND 2, ERECTORS WERE AT ALL LAUNCH PADS. THREE MISSILES ON TRANSPORTERS WERE AT LAUNCH SITE 3. NO SILO CONSTRUCTION WAS OBSERVED ON PARTIAL COVERAGE OF THE SEARCH AREA.

25X1

25X1

NOVOSIBIRSK ICBM COMPLEX

55-17-11N 083-06-02E

25X1

STATUS:OPERATIONAL

REMARKS:

THE COMPLEX SUPPORT FACILITIES WERE PARTIALLY OBSERVED. NO NEW MISSILE ACTIVITY WAS OBSERVED ON PARTIAL COVERAGE OF THE SEARCH AREA.

25X1

25X1

SARY-OZEK IRBM COMPLEX

44-32-16N 077-46-06E

25X1

STATUS:OPERATIONAL

REMARKS:

THE ENTIRE COMPLEX AND SEARCH AREA WERE OBSERVED. SIX MISSILES ON TRANSPORTERS WERE VISIBLE AT LAUNCH SITE 1. NO SILO CONSTRUCTION WAS OBSERVED.

25X1

25X1

[REDACTED]
KH-4 MISSION 1116-1

[REDACTED]
SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

25X1

MOLOSKOVITSY MRBM COMPLEX

25X1

59-33-15N 028-57-16E

[REDACTED]
STATUS: OPERATIONAL

REMARKS:

LAUNCH SITES 2 AND 3 WERE COMPLETELY OBSERVED. LAUNCH SITE 1 AND THE HF COMMUNICATIONS FACILITY WERE PARTIALLY OBSERVED. FIXED FIELD SITES 1 AND 2 [REDACTED] WERE IDENTIFIABLE ONLY. AT LAUNCH SITES 1 AND 2, ERECTORS WERE AT ALL LAUNCH PADS. THREE MISSILES ON TRANSPORTERS WERE AT LAUNCH SITE 3. NO SILO CONSTRUCTION WAS OBSERVED ON PARTIAL COVERAGE OF THE SEARCH AREA.

25X1

25X1

[REDACTED]

25X1

25X1

NOVOSIBIRSK ICBM COMPLEX

55-17-11N 083-06-02E

[REDACTED]
STATUS: OPERATIONAL

REMARKS:

THE COMPLEX SUPPORT FACILITIES WERE PARTIALLY OBSERVED. NO NEW MISSILE ACTIVITY WAS OBSERVED ON PARTIAL COVERAGE OF THE SEARCH AREA.

25X1

[REDACTED]

25X1

25X1

SARY-OZEK IRBM COMPLEX

44-32-16N 077-46-06E

[REDACTED]
STATUS: OPERATIONAL

REMARKS:

THE ENTIRE COMPLEX AND SEARCH AREA WERE OBSERVED. SIX MISSILES ON TRANSPORTERS WERE VISIBLE AT LAUNCH SITE 1. NO SILO CONSTRUCTION WAS OBSERVED.

25X1

[REDACTED]

5X1
[REDACTED]
KH-4 MISSION 1116-1

SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

25X1
SUCHAN MRBM COMPLEX
[REDACTED]

25X1
43-06-10N 133-18-40E
[REDACTED]

STATUS:NOT OPERATIONAL

REMARKS:
ONLY A PORTION OF LAUNCH SITE 1 WAS OBSERVED. NO SILO
CONSTRUCTION WAS OBSERVED ON PARTIAL COVERAGE OF THE SEARCH
AREA.

25X1
TAYBOLA IRBM COMPLEX
[REDACTED]

25X1
68-25-27N 033-21-18E
[REDACTED]

25X1
STATUS:OPERATIONAL

REMARKS:
THE ENTIRE COMPLEX WAS OBSERVED. NO SILO CONSTRUCTION WAS
OBSERVED ON PARTIAL COVERAGE OF THE SEARCH AREA.

25X1
TEYKOVO ICBM COMPLEX
[REDACTED]

25X1
56-44-05N 040-40-54E
[REDACTED]

25X1
STATUS:OPERATIONAL

REMARKS:
TWENTY-NINE OF THE 80 KNOWN SS-11 LAUNCH SITES WERE OBSERVED.
NO NEW MISSILE ACTIVITY WAS OBSERVED ON PARTIAL COVERAGE OF THE
SEARCH AREA.

25X1
YEDROVO ICBM COMPLEX
[REDACTED]

25X1
57-46-40N 033-13-15E
[REDACTED]

STATUS:OPERATIONAL

REMARKS:
ALL KNOWN COMPONENTS OF THE COMPLEX WERE OBSERVED.

25X1

KH-4 MISSION 1116-1

SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

AN HF RADCOM FACILITY, PROBABLY ASSOCIATED WITH THE YEDROVO ICBM COMPLEX, WAS IDENTIFIED APPROXIMATELY 15 NM SE OF THE COMPLEX HCC, AT 57-43-00N 034-01-00E. THE FENCE-SECURED FACILITY CONTAINS A CONTROL BUILDING, A SMALLER SUPPORT BUILDING, AND AN HF ANTENNA FIELD WITH AT LEAST FOUR QUADRANT ANTENNAS, THREE DIPOLE ANTENNAS, AND TWO COMMUNICATIONS MASTS OF UNDETERMINED FUNCTION. A SUPPORT AREA ADJACENT TO THE FACILITY AND ALONG THE ACCESS ROAD SERVING IT CONTAINS A MESSHALL, TWO BARRACKS BUILDINGS, AND FOUR SMALL SUPPORT BUILDINGS. AVAILABLE PHOTOGRAPHY DOES NOT PERMIT A DETERMINATION OF WHEN THIS FACILITY WAS NOT PRESENT. THE EARLIEST COVERAGE AVAILABLE ON A TIMELY BASIS SHOWS THIS RADCOM FACILITY WAS PRESENT IN [REDACTED]. NO OTHER NEW MISSILE ACTIVITY WAS OBSERVED ON PARTIAL COVERAGE OF THE SEARCH AREA.

PERIODIC MAINTENANCE WAS OBSERVED IN LAUNCH GROUP J OF THE COMPLEX ON [REDACTED] SS-7 MISSILES WERE OBSERVED AT TWO OF THE EIGHT SS-7 LAUNCH SITES ON [REDACTED] AND AT ONE OTHER SS-7 LAUNCH SITE ON [REDACTED]

[REDACTED]

[REDACTED]

ZHANGIZ-TOBE ICBM COMPLEX

49-17-59N 081-19-44E

[REDACTED]

STATUS: OPERATIONAL

REMARKS:

THIRTY-FOUR OF THE 48 SS-9 LAUNCH SITES, THE FIVE TYPE IIIF LAUNCH SITES, THE RAIL-TO-ROAD TRANSFER POINT, AND THE COMPLEX SUPPORT FACILITIES WERE OBSERVED. THREE OTHER SS-9 LAUNCH SITES WERE IDENTIFIABLE ONLY. AT THE IIIF LAUNCH SITES, CONSTRUCTION WAS EVIDENT ONLY AT LAUNCH SITE 60. PROBABLE PERIODIC MAINTENANCE WAS UNDERWAY IN LAUNCH GROUP H. NO NEW MISSILE ACTIVITY WAS OBSERVED ON PARTIAL COVERAGE OF THE SEARCH AREA.

[REDACTED]

[REDACTED]

Page Denied

25X1

KH-4 MISSION 1116-1

SOVIET UNION
MISSILE RANGES

25X1

SIGNIFICANT RESULTS

25X1

SARY-SHAGAN MISSILE TEST CENTER

46-11-05N 072-41-30E

STATUS: OPERATIONAL

REMARKS:

THE ENTIRE TEST CENTER, EXCEPT FOR TRACKING FACILITIES 5-8 AND 13-16, WAS COVERED ON STEREO PHOTOGRAPHY OF GOOD INTERPRETABILITY. AT LAUNCH COMPLEX F, A MISSILE CANISTER WAS ERECTED VERTICALLY ON THE LAUNCHER AT POSITION 2A, LAUNCH SITE 2. AT LAUNCH COMPLEX D, A MISSILE CANISTER WAS ENGAGED HORIZONTALLY IN THE LAUNCHER AT POSITION D1. NO GALOSH MISSILE CANISTERS WERE OBSERVED AT LAUNCH COMPLEX B.

25X1

25X1

AN UNOCCUPIED FIVE-POSITION SA-2 SITE WAS NEWLY OBSERVED APPROXIMATELY 0.5 NM WNW OF NON-OPERATIONAL MICROWAVE FACILITY 3-I [REDACTED] AND 12 NM NNE OF LAUNCH COMPLEX E (BE [REDACTED]). THE APPROXIMATE GEOGRAPHIC COORDINATES FOR THIS SITE ARE 45-48N 072-36E. A FOUR-POSITION UNOCCUPIED SA-2 SITE HAS BEEN NEWLY CONSTRUCTED ADJACENT TO THE PERIMETER ROAD OF SAM SITE A26-2.

25X1

25X1

TYURATAM ICBM LAUNCH TEST SITE H1/2

25X1

45-59-30N 063-42-01E

STATUS: COMPLETE

25X1

REMARKS:

AT LAUNCH PAD H1, A MISSILE OR A PORTION OF A MISSILE WAS IN A HORIZONTAL POSITION ON THE ERECTOR. THE MISSILE WAS [REDACTED] IN DIAMETER. A SMALL VEHICLE WAS PARKED ADJACENT TO THE LAUNCH STAND, AND ANOTHER VEHICLE WAS PARKED NEAR THE H1 MISSILE-READY BUNKER. A RAIL TANK CAR WAS ON THE RAIL SPUR JUST WEST OF THE H2 ERECTOR. LITTLE IF ANY CHANGE WAS OBSERVED IN THE AMOUNT OR LOCATION OF THE MISSILE DEBRIS PREVIOUSLY OBSERVED IN THE SITE AREA.

25X1

25X1

MISSILE ORDER OF BATTLE:

1 MSL OR PORTION OF MSL
2 VEHICLES

1 RAIL TANK CAR

25X1

[REDACTED]
KH-4 MISSION 1116-1

SOVIET UNION
MISSILE RANGES

SIGNIFICANT RESULTS

25X1

SARY-SHAGAN MISSILE TEST CENTER
[REDACTED]

25X1

46-11-05N 072-41-30E
[REDACTED]

STATUS: OPERATIONAL

REMARKS:

THE ENTIRE TEST CENTER, EXCEPT FOR TRACKING FACILITIES 5-8 AND 13-16, WAS COVERED ON STEREO PHOTOGRAPHY OF GOOD INTERPRETABILITY. AT LAUNCH COMPLEX F, A MISSILE CANISTER WAS ERECTED VERTICALLY ON THE LAUNCHER AT POSITION 2A, LAUNCH SITE 2. AT LAUNCH COMPLEX D, A MISSILE CANISTER WAS ENGAGED HORIZONTALLY IN THE LAUNCHER AT POSITION D1. NO GALOSH MISSILE CANISTERS WERE OBSERVED AT LAUNCH COMPLEX B.

25X1

AN UNOCCUPIED FIVE-POSITION SA-2 SITE WAS NEWLY OBSERVED APPROXIMATELY 0.5 NM WNW OF NON-OPERATIONAL MICROWAVE FACILITY 3-I [REDACTED] AND 12 NM NNE OF LAUNCH COMPLEX E (BE [REDACTED] THE APPROXIMATE GEOGRAPHIC COORDINATES FOR THIS SITE ARE 45-48N 072-36E. A FOUR-POSITION UNOCCUPIED SA-2 SITE HAS BEEN NEWLY CONSTRUCTED ADJACENT TO THE PERIMETER ROAD OF SAM SITE A26-2.

25X1

25X1

[REDACTED]

25X1

TYURATAM ICBM LAUNCH TEST SITE H1/2
[REDACTED]

45-59-30N 063-42-01E
[REDACTED]

25X1

STATUS: COMPLETE

REMARKS:

AT LAUNCH PAD H1, A MISSILE OR A PORTION OF A MISSILE WAS IN A HORIZONTAL POSITION ON THE ERECTOR. THE MISSILE WAS [REDACTED] IN DIAMETER. A SMALL VEHICLE WAS PARKED ADJACENT TO THE LAUNCH STAND, AND ANOTHER VEHICLE WAS PARKED NEAR THE H1 MISSILE-READY BUNKER. A RAIL TANK CAR WAS ON THE RAIL SPUR JUST WEST OF THE H2 ERECTOR. LITTLE IF ANY CHANGE WAS OBSERVED IN THE AMOUNT OR LOCATION OF THE MISSILE DEBRIS PREVIOUSLY OBSERVED IN THE SITE AREA.

25X1

25X1

25X1

MISSILE ORDER OF BATTLE:

[REDACTED]
1 MSL OR PORTION OF MSL
2 VEHICLES

1 RAIL TANK CAR

25X1

[REDACTED]
KH-4 MISSION 1116-1

SOVIET UNION
MISSILE RANGES

25X1

[REDACTED] 25X1

25X1

TYURATAM MISSILE TEST CENTER

45-56-37N 063-27-55E

STATUS: OPERATIONAL

REMARKS:

25X1

COMPLETE COVERAGE WAS OBTAINED OF THE TEST CENTER ON [REDACTED]
AND ONLY LAUNCH COMPLEX D AND LAUNCH SITE T1-T2 WERE OBSERVED
ON [REDACTED] COVERAGE. 25X1

25X1

25X1

25X1

25X1

THE NEW-TYPE MISSILE AIRFRAMES OBSERVED AT THE LAUNCH COMPLEX C
SUPPORT FACILITY ON [REDACTED] WERE NOT
OBSERVED ON THE [REDACTED] COVERAGE. THE NEW-TYPE TRANSPORTER ALSO
OBSERVED ON [REDACTED] WAS NOT PRESENT AT THE SAME
LOCATION. HOWEVER, A TRANSFER OPERATION WHICH INVOLVED A PIECE
OF EQUIPMENT THAT COULD POSSIBLY BE THE NEW TRANSPORTER WAS
UNDERWAY AT A [REDACTED] JUST WEST OF
RECENTLY COMPLETED ASSEMBLY AND CHECKOUT BUILDING B IN THE
SUPPORT FACILITY. SMALL SCALE AND SHADOWS PRECLUDED A DETAILED
INTERPRETATION, BUT THE LENGTH OF THE POSSIBLE TRANSPORTER IS
APPROXIMATELY [REDACTED] AND THE LENGTH OF THE
RAILCARS INVOLVED IN THE TRANSFER WAS APPROXIMATELY [REDACTED]

25X1

25X1

AT LAUNCH SITE G1, AN SL-11 LAUNCH VEHICLE WAS ERECTED ON
LAUNCH PAD G1-A. THE TRANSPORTER ERECTOR WAS STILL PARTIALLY
ERECTED AND ITS LOCOMOTIVE UNIT WAS ON THE RAILSPUR. AT LAUNCH
SITE G3-G4, BOTH GANTRIES WERE IN THE NORMAL PARK POSITION TO
THE REAR OF THE PADS. AT LAUNCH SITE G5-G6, THE GENTRY WAS
STILL PARKED NEAR PAD G6. IT COULD NOT BE DETERMINED WHETHER
THE PREVIOUSLY OBSERVED MISSILE OR FACILITIES CHECKOUT MISSILE
WAS IN THE G6 LAUNCHING DEVICE.

AT LAUNCH SITE I7, THE CENTER SILO DOOR WAS OPEN AND A SMALL
VEHICLE WAS POSITIONED IN FRONT OF THE SILO.

IN LAUNCH GROUP S, SITE S1, A MISSILE CANISTER WAS ON A
PROBABLE SILO LOADER ON THE SITE ACCESS ROAD AND THE SILO DOOR
WAS OPEN. SILO DOORS ARE OBSERVED AT SITES S3 AND S6 AND THE
BRIDGE CRANES HAVE BEEN REMOVED.

25X1

CONSTRUCTION CONTINUED AT THE SITES IN LAUNCH GROUP R. IN
ADDITION TO THE TALL TOWERS OBSERVED AT SITES R8 AND R9 IN [REDACTED]
[REDACTED] TOWERS ARE NOW PRESENT AT R4 AND R10. THE

25X1

[REDACTED]

KH-4 MISSION 1116-1

[REDACTED]

SOVIET UNION
MISSILE RANGES

POSSIBLE SILO DOOR COMPONENTS WERE STILL ON THE APRONS AT SITES R1 AND R11.

AT LAUNCH SITE T1-T2 ON 29 APR, THERE WERE FOUR SILO LINER SEGMENTS ON THE NORTH SIDE OF THE T2 SILO, THREE SEGMENTS ON THE SOUTH SIDE OF THE T1 SILO, AND THREE SEGMENTS ON THE APRON BETWEEN THE TWO SILOS.

NO SIGNIFICANT CHANGES WERE OBSERVED AT NEW SPACE LAUNCH SITE U, WHICH IS UNDER CONSTRUCTION.

NO SIGNIFICANT ACTIVITY WAS OBSERVED AT LAUNCH COMPLEXES A, B, D, E, F, OR J, LAUNCH GROUPS K, L, M, N, O, P, OR Q, OR THE SUPPORT FACILITIES ALONG THE MAIN NORTH-SOUTH COMPLEX ROAD.

[REDACTED]

25X1

Approved For Release 2006/04/03 : CIA-RDP78T04562A004300010002-9

25X1

KH-4 MISSION 1116-1

SOVIET UNION
AIR DEFENSE MISSILES

SIGNIFICANT RESULTS

25X1

MOSKVA ABM LAUNCH COMPLEX E05

25X1

56-14-26N 038-34-09E

STATUS: OPERATIONAL

REMARKS:

GALOSH MISSILE CANISTERS WERE OBSERVED ENGAGED VERTICALLY IN THE LAUNCHERS AT POSITIONS 1B1, 1B2, 1B4, 1C1, 1C3, 1C4, 2B1, 2B2, 2B4, 2C1, 2C2, AND 2C4.

25X1

MISSILE ORDER OF BATTLE:

25X1

12 GALOSH CANISTERS

25X1

25X1

MOSKVA ABM LAUNCH COMPLEX E15

55-09-00N 038-22-00E

STATUS: UNDER CONSTRUCTION

REMARKS:

CONSTRUCTION HAS CONTINUED ON THE WALL AT THE BASE OF THE LARGE EXCAVATION. THE SMALL SUPPORT-TYPE BUILDING JUST SE OF TRY ADD BUILDING C APPEARS TO BE COMPLETELY ROOFED. A CABLE WAS OBSERVED EXTENDING FROM NEAR TRY ADD BUILDING B TO NEAR TRY ADD BUILDING C. THE TERMINAL POINTS OF THE CABLE COULD NOT BE DETERMINED.

25X1

25X1

MOSKVA ABM LAUNCH COMPLEX E21

55-04-00N 037-01-00E

25X1

STATUS: UNDER CONSTRUCTION

REMARKS:

CONSTRUCTION HAS CONTINUED ON THE ASSEMBLY OF THE DISH ANTENNA RADARS ADJACENT TO ANTENNA BUILDINGS 1 AND 4. A SECOND TRESTLE CRANE WAS ADJACENT TO ANTENNA BUILDING 1. NUMEROUS PILES OF CONSTRUCTION MATERIAL WERE OBSERVED THROUGHOUT THE ENTIRE TRY ADD AREA.

25X1

KH-4 MISSION 1116-1

SOVIET UNION
AIR DEFENSE MISSILES

25X1

25X1

25X1

MOSKVA ABM LAUNCH COMPLEX E24

55-21-10N 036-29-24E

STATUS: OPERATIONAL

REMARKS:

GALOSH CANISTERS WERE ERECTED VERTICALLY IN THE LAUNCHERS AT POSITIONS 1B3, 1C1, 1C3, 2B1, AND 2C4, AND TWO CANISTERS WERE ENGAGED HORIZONTALLY IN THE LAUNCHERS AT POSITIONS 1C2 AND 1C4.

25X1

MISSILE ORDER OF BATTLE:

7 GALOSH CANISTERS

25X1

25X1

25X1

MOSKVA ABM LAUNCH COMPLEX E31

56-08-05N 036-29-37E

STATUS: OPERATIONAL

REMARKS:

ON [REDACTED] GALOSH MISSILE CANISTERS WERE OBSERVED ERECTED VERTICALLY IN THE LAUNCHERS AT POSITIONS 1B1, 1B2, 1B3, 1C1, 1C3, 2B2, AND 2C3.

25X1

MISSILE ORDER OF BATTLE:

7 GALOSH CANISTERS

25X1

7 GALOSH CANISTERS

25X1

25X1

MOSKVA ABM LAUNCH COMPLEX E33

56-20-10N 036-48-07E

25X1

25X1

[REDACTED]
KH-4 MISSION 1116-1

SOVIET UNION
AIR DEFENSE MISSILES

STATUS: OPERATIONAL

25X1

REMARKS:

ON [REDACTED] GALOSH MISSILE CANISTERS WERE ERECTED VERTICALLY IN THE LAUNCHERS AT POSITIONS 1B1, 1B2, 1B3, 1C2, 1C3, 1C4, 2B3, AND 2C3, AND ONE CANISTER WAS ENGAGED HORIZONTALLY IN THE LAUNCHER AT POSITION 2B2.

25X1

ON [REDACTED] GALOSH CANISTERS WERE ERECTED VERTICALLY IN THE LAUNCHERS AT POSITIONS 1B1, 1B2, 1B3, 1C2, 1C3, 1C4, 2B1, 2B4, 2C1, 2C3, AND 2C4. ONE CANISTER WAS ENGAGED HORIZONTALLY IN THE LAUNCHER AT POSITION 2B2, AND ONE WAS ON THE ROAD ADJACENT TO POSITION 2B3. THIS WAS THE LARGEST NUMBER OF CANISTERS OBSERVED TO DATE AT AN OPERATIONAL COMPLEX.

25X1

MISSILE ORDER OF BATTLE:

25X1

[REDACTED]
9 GALOSH CANISTERS

25X1

[REDACTED]
13 GALOSH CANISTERS

[REDACTED]
25X1

25X1

MOSKVA ABM SUPPORT FACILITY BOROVSK

55-18-00N 036-33-05E

[REDACTED]
STATUS: OPERATIONAL

REMARKS:

TWENTY-NINE GALOSH CANISTERS WERE OBSERVED AT THE FACILITY -- 12 ON THE EAST HARDSTAND, 16 ON THE WEST HARDSTAND, AND ONE AT

25X1

[REDACTED]
THIS FACILITY APPEARED TO COINCIDE WITH THE INCREASE IN THE NUMBER OF CANISTERS OBSERVED AT THE OPERATIONAL LAUNCH COMPLEXES. COMPLEXES.

25X1

MISSILE ORDER OF BATTLE:

25X1

[REDACTED]
29 GALOSH CANISTERS

25X1



KN-4 MISSION 1116-1

SOVIET UNION
AIR DEFENSE MISSILES

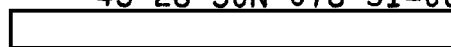
25X1

OTHER RESULTS-NO APPARENT CHANGE

25X1

ALMA-ATA SAM COMPLEX B35-5

43-26-30N 076-51-00E



25X1

STATUS:UNDER CONSTRUCTION

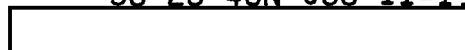
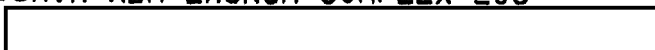


25X1

MOSKVA ABM LAUNCH COMPLEX E03

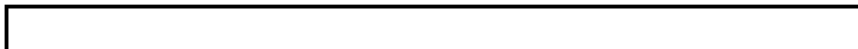
25X1

56-23-43N 038-11-19E



STATUS:UNDER CONSTRUCTION

25X1



25X1

KH-4 MISSION 1116-1

SOVIET UNION
NAVAL BASE FACILITIES

SIGNIFICANT RESULTS

25X1

25X1

LITSA GUBA SUBMARINE BASE SOUTH

69-26-17N 032-25-14E

STATUS: OPERATIONAL

REMARKS:

CONSTRUCTION CONTINUED ON THE PROBABLE STORAGE BUILDING IN THE SUPPORT AREA.

25X1

NAVAL ORDER OF BATTLE:

10 C/V SSGN/SSN

6 LARGE SUBMARINES, UNID

1 POSS A SSU

1 POSS OSS

1 KHERSON-A APL

3 BOLVA APL

1 PROB 975-CLASS YRSN

3 CRAFT, MISCELLANEOUS

25X1

25X1

OLENYA GUBA SUBMARINE BASE

69-12-51N 033-22-32E

25X1

STATUS: OPERATIONAL

REMARKS:

CONSTRUCTION ACTIVITY APPEARED TO BE CONTINUING AT THE WEST END OF THE BASE.

25X1

NAVAL ORDER OF BATTLE:

1 H-III SSBN

6 G SSB

1 POSS F SS (MOORED IN BAY)

1 LIBAU AGFL

1 UGRA AS

1 BOLVA APL

1 975-CLASS YRSN

1 220 YR

1 DUNA YR

25X1

25X1

PALA GUBA NAVAL BASE + SHIP RPR YARD

69-11-53N 033-25-24E

25X1

STATUS: OPERATIONAL

25X1

KH-4 MISSION 1116-1

SOVIET UNION
NAVAL BASE FACILITIES

REMARKS:

25X1

CONSTRUCTION APPEARED TO BE CONTINUING ON THE NEW SHOP BUILDINGS.

NAVAL ORDER OF BATTLE:

25X1

1 Y SSBN (IN ARD-D)	1 BOLVA APL
1 H-II SSBN	2 ROSTA-A YRSN
2 E-II SSGN	1 POSS 402C YRSN
3 N SSN	1 POSS ZEYA YRSN
1 PROB LARGE SUBMARINE	1 YR
1 POSS F SS (IN ARD-T)	1 UNIDENTIFIED VESSEL (IN ARD-D)
2 POSS W SS	1 COVERED ARD (D)
1 DNEPR AR	
1 202A AR	

25X1

25X1

PECHENGA SUBMARINE BASE LINAKHAMARI

69-38-20N 031-21-37E

STATUS:OPERATIONAL

25X1

NAVAL ORDER OF BATTLE:

7 VESSELS, UNIDENTIFIED

25X1

25X1

25X1

POLYARNYY SUBMARINE BASE

69-12-09N 033-27-58E

STATUS:OPERATIONAL

REMARKS:

CONSTRUCTION CONTINUED IN THE SUPPORT AREA AT THE WEST END OF THE BASE.

25X1

NAVAL ORDER OF BATTLE:

16 SS (AT LEAST)	25 UNIDENTIFIED VESSELS (AT LEAST)
3 PETYA DE (AT LEAST)	
3 POTI PCE (AT LEAST)	

25X1

25X1

[REDACTED]
KH-4 MISSION 1116-1

SOVIET UNION
NAVAL BASE FACILITIES

25X1

25X1

ROSTA NAVAL BASE + SHP RPR YD SEVMORPU

69-01-47N 033-04-00E
[REDACTED]

STATUS: OPERATIONAL

REMARKS:

CONSTRUCTION WAS CONTINUING ON THE LARGE FABRICATION BUILDING
AND ON A BARRACKS.

25X1

NAVAL ORDER OF BATTLE:

[REDACTED]
1 POSS H-II SSBN (IN SMALL
GRAVING DOCK)

4 PROB J SSG

3 W/R SS

1 POSS SS

2 KRESTA CLGM (1 IN LARGE
GRAVING DOCK)

1 SVERDLOV CL (IN HARBOR)

2 KOTLIN/SKORYY DD

1 POSS RIGA DE

1 PROB PETYA DE

2 PROB DON AS

1 KAZBEK AO

2 SURYA AGL (IN HARBOR)

17 UNID VESSELS (AT LEAST,

6 LARGE)

25X1

25X1

25X1

SAYDA GUBA SUBMARINE BASE

69-15-32N 033-19-51E
[REDACTED]

STATUS: OPERATIONAL

REMARKS:

OF THE SIX Y SSBN OBSERVED, THREE HAD LIGHT- AND THREE HAD
DARK-TONED SONAR ARRAYS. LANDFILL ACTIVITY APPEARED TO BE
CONTINUING [REDACTED] NORTH OF THE BASE.

CONSTRUCTION WAS CONTINUING ON APARTMENTS IN THE SW AREA OF THE
BASE.

25X1

25X1

NAVAL ORDER OF BATTLE:

[REDACTED]
6 Y SSBN

1 H-II SSBN

1 LARGE SUBMARINE

1 PROB OSS

2 AMUR AR

1 DNEPR AR

4 BOLVA APL

4 VESSELS (UNIDENTIFIED)

5 CRAFT (MISCELLANEOUS)

25X1

25X1

Approved For Release 2006/04/03 : CIA-RDP78T04562A004300010002-9

25X1

KH-4 MISSION 1116-1

SOVIET UNION
NAVAL BASE FACILITIES

25X1

SEVEROMORSK NAVAL BASE

25X1

69-04-42N 033-25-57E

STATUS: OPERATIONAL

REMARKS:

25X1

CONSTRUCTION WAS CONTINUING ON THE PIER AND
NEAR THE NEW WEAPONS FACILITY.

25X1

25X1

NAVAL ORDER OF BATTLE:

2 KRESTA CLGM (1 AT
OKOLNAYA)

2 PROB KASHIN DLG

4 PROB KANIN DDG

1 PROB KOTLIN DD

1 PROB SKORYY DD

1 PROB PETYA DE

1 PROB LAMA AEM

1 PROB ALLIGATOR LST

1 PROB KATUN ATR

1 AOL

16 UNIDENTIFIED VESSELS (AT
LEAST)

3 FLOATING CRANES (AT
OKOLNAYA)

25X1

25X1

25X1

URA GUBA SUBMARINE BASE

69-19-45N 032-51-09E

STATUS: OPERATIONAL

REMARKS:

25X1

CONSTRUCTION CONTINUED IN THE SUPPORT AREA.

NAVAL ORDER OF BATTLE:

1 PROB WILHELM BAUER AS

1 POSS SUBMARINE

3 VESSELS, UNIDENTIFIED (AT
LEAST)

25X1

Page Denied

Next 3 Page(s) In Document Denied

25X1

KH-4 MISSION 1116-1

SOVIET UNION
INDUSTRY

25X1

SIGNIFICANT RESULTS

25X1

CHELNOPUSHKA SHIP REPAIR YARD

69-03-37N 033-13-43E

STATUS: OPERATIONAL

REMARKS:

CONSTRUCTION ON THE NEW SUPPORT BUILDING IN THE NORTHERN AREA
OF THE YARD WAS NEARING COMPLETION.

25X1

NAVAL ORDER OF BATTLE:

1 PROB PETYA DE

15 UNIDENTIFIED VESSELS (3
LARGE)

4 PROB POTI PCE

1 LENIN AGBN (IN ARD-D)

25X1

25X1

25X1

KOMSOMOLSK AIRFRAME PLANT ORDZH 126

50-34-59N 137-05-33E

STATUS: OPERATIONAL

25X1

ASSOCIATED OBJECTS:

-- AT THE PLANT

33 FLAGON

3 CAT/CUB/CAMP

33 FITTER

1 CRATE

3 POSS FITTER

2 CAB

2 FAGOT/FRESCO

2 PROB COLT

2 POSS FAGOT/FRESCO

1 SMALL STRAIGHT-WING

1 SMALL DELTA/SWEPT-WING

1 SMALL HELICOPTER

25X1

-- AT THE MISSILE CHECK-OUT AREA

8 PROB SS-N-9 SHIPPING
CRATES

25X1

-- AT THE TRANSSHIPMENT AREA

9 SHIPPING CONTAINERS (AT
LEAST)

25X1

-- AT THE CARPENTRY SHOP

1 SHIPPING CONTAINER (AT
LEAST)

25X1

[REDACTED]
KH-4 MISSION 1116-1

SOVIET UNION
INDUSTRY

25X1
[REDACTED]

25X1

KOMSOMOLSK SHIPYARD AMUR 199

25X1
50-32-10N 137-03-21E

25X1

STATUS: OPERATIONAL

REMARKS:

ON [REDACTED] THE LAUNCH BASIN WAS FLOODED. THE ARD (T) NO 1 LAUNCHING DOCK AND LARGE TRANSPORTER CRANE WERE OBSERVED IN THE BASIN. THE LAUNCHING DOCK WAS NOT IN POSITION FOR A LAUNCH. POOR INTERPRETABILITY PRECLUDED IDENTIFICATION OF SUBMARINE HULL SECTIONS. CONSTRUCTION CONTINUED ON TWO BUILDINGS, AND NO CHANGES WERE OBSERVED ON THE FOUNDATION WORKS OF A THIRD BUILDING.

25X1

NAVAL ORDER OF BATTLE:

[REDACTED]
1 975-CLASS YRSN
1 ARD (T) NO 1
1 FERRY

1 TRANSPORTER CRANE
3 MISCELLANEOUS CRAFT

25X1
[REDACTED]

25X1
[REDACTED]

25X1

[REDACTED]
[REDACTED]
KH-4 MISSION 1116-1

25X1

SOVIET UNION
INDUSTRY

[REDACTED]

25X1

LENINGRAD SHIPYARD ADMIRALTY 194

59-55-05N 030-16-10E

25X1

STATUS: OPERATIONAL

REMARKS:

CONSTRUCTION CONTINUED ON THE NEW BUILDING SE OF POSITION 461
AND ON THE NEW SUBASSEMBLY BUILDING BEHIND THE CONSTRUCTION
HALL.

25X1

NAVAL ORDER OF BATTLE:

1 V SSN (FITTING OUT)	1 FISH FACTORY SHIP (ON WAY
1 975-CLASS YRSN	51)
1 925-CLASS YRSN	1 ARD (D) (ON WAY 50)
1 VOSTOK FISH FACTORY SHIP	4 MISCELLANEOUS CRAFT
(FITTING OUT)	

25X1

[REDACTED]

25X1

LENINGRAD SHIPYARD BALTIYSK ORDZH 189

59-55-32N 030-15-46E

25X1

STATUS: OPERATIONAL

REMARKS:

25X1

25X1

THE SECOND UNIT OF THE [REDACTED] AOR HAD BEEN LAUNCHED
BETWEEN [REDACTED] IT WAS OBSERVED FITTING OUT AT POSITION
14.

25X1

NAVAL ORDER OF BATTLE:

1 BORIS CHILIKIN-CLASS AOR	1 VYATKA POL BARGE
1 SOFIYA TANKER	1 HULL (UON ON WAY 21)
1 TANKER	1 MISCELLANEOUS CRAFT

25X1

[REDACTED]

25X1

LENINGRAD SHIPYARD SUDOMEKH 196

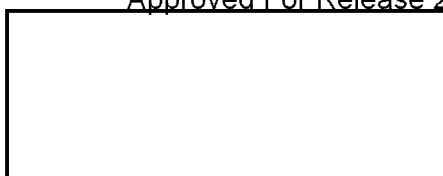
59-55-45N 030-16-48E

25X1

STATUS: OPERATIONAL

25X1

25X1



KH-4 MISSION 1116-1

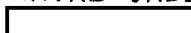
SOVIET UNION
INDUSTRY

REMARKS:

CONSTRUCTION CONTINUED ON THE NEW THREE-BAY SHOP BUILDING.
NUMEROUS PIECES OF SUBMARINE HULL PLATING WERE ON THE QUAY AT
POSITIONS 37 AND 38.

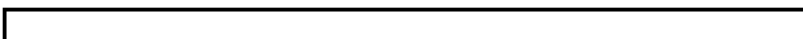
25X1

NAVAL ORDER OF BATTLE:



1 MEDIUM SS	1 YR
1 BOLVA APL (ACROSS RIVER)	1 ARD (D)
1 KORALL IX (ACROSS RIVER)	1 CATAMARAN
1 KHARKOV MERSHIP	4 MISCELLANEOUS CRAFT
1 PROB 1-A YRSN	

25X1

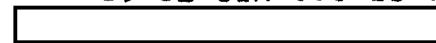
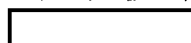


25X1

LENINGRAD SHIPYARD ZHDANOV 190

59-52-31N 030-13-59E

25X1



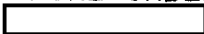
STATUS: OPERATIONAL

REMARKS:

MODIFICATION OF THE KASHIN DLG CONTINUED.

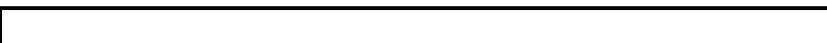
25X1

NAVAL ORDER OF BATTLE:



4 KRESTA-II CLGM	2 KOMSOMO MERSHIPS
1 KASHIN DLG (ON WAY 64C)	1 ARD (D)
1 KANIN DDG	1 POSS AGOR
1 BOLVA APL	1 HULL (ON WAY 64N)
1 OTTO SCHMIDT MERSHIP	

25X1

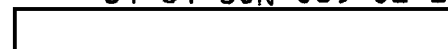


25X1

25X1

LUKHOVITSY AIRFRAME PLT

54-54-30N 039-02-25E



STATUS: OPERATIONAL

REMARKS:

NUMEROUS FUSELAGE SHIPPING CRATES WERE OBSERVED AT THE PLANT
AND AT THE CRATING FACILITY. HOWEVER, SMALL SCALE PRECLUDED
DETERMINATION OF NUMBER AND TYPE OF CRATES.

25X1

ASSOCIATED OBJECTS:



-- AT THE PLANT

2 BEAGLE

1 COOT



25X1

25X1

KH-4 MISSION 1116-1

SOVIET UNION
INDUSTRY

25X1

58 FLOGGER	1 CRATE
18 FISHBED	1 COLT
1 CAMEL/COOKER	2 MAY
1 CAT/CUB	1 SMALL STRAIGHT-WING

[REDACTED]

25X1

MOSKVA AIRFRAME PLANT FILI 23

55-45-24N 037-29-26E

25X1

STATUS:OPERATIONAL

25X1

ASSOCIATED OBJECTS:

18 LONG RAILCARS

25X1

[REDACTED]

25X1

NOVOSIBIRSK AIRFRAME PLT CHKALOV 153

55-04-01N 082-59-10E

25X1

STATUS:OPERATIONAL

REMARKS:

A SMALL SUPPORT BUILDING AND THE ASSEMBLY AND REPAIR HANGAR IN THE NORTHERN SECTION OF THE PLANT ARE NOW INTERCONNECTED.

25X1

ASSOCIATED OBJECTS:

-- AT THE PLANT

12 FLAGON	1 CAMP
4 POSS FLAGON	1 CAB
1 POSS DELTA/SWEPT-WING	2 SMALL STRAIGHT-WING
1 CAT/CUB	1 DERELICT CAB FUSELAGE

25X1

[REDACTED]

25X1

RAMENSKOYE FLIGHT TEST CENTER

55-33-45N 038-07-05E

25X1

STATUS:OPERATIONAL

REMARKS:

A MODIFIED CHARGER WAS OBSERVED IN THE EAST PARKING AREA (AREA 3) ON [REDACTED] A MODIFIED CHARGER WAS FIRST OBSERVED AT VORONEZH AIRFRAME PLANT 64 [REDACTED] ON [REDACTED]

73

TOP SECRET

25X1

25X1

25X1

KH-4 MISSION 1116-1

25X1

SOVIET UNION
INDUSTRY

25X1

25X1

[REDACTED] FIVE BACKFIRE WERE OBSERVED IN THE TUPOLEV AREA (AREA 1) ON [REDACTED] SMALL SCALE PRECLUDED IDENTIFICATION OF ANY MODIFICATIONS TO THESE AIRCRAFT. THE RAM-F WAS OBSERVED IN THE SUKHOY AREA (AREA 2) ON [REDACTED] A FREEHAND WAS OBSERVED ON THE FLIGHT DECK TEST STRUCTURE. THE NEW DELTA-WING BOMBER (RAM-H) WAS NOT PRESENT IN THE MYASISHCHEV AREA ON [REDACTED] HOWEVER, THE STATIC TEST MODEL/MOCKUP WAS OBSERVED IN THE TEST AND DERELICT AREA (AREA 1) ON [REDACTED] OBJECT READOUT FOR THE TRANSIENT PARKING AREA, THE MIL AREA, AND THE MYASISHCHEV AREA IS INCLUDED UNDER RFTC.

25X1

25X1

25X1

ASSOCIATED OBJECTS:

[REDACTED] -- IN TRANSIENT PARKING AREA

4 FIREBAR/BREWER

5 COKE

1 CODLING

3 COOT

3 CAMEL

1 CRATE

1 COOKER

1 CAB

5 CAT/CUB

25X1

[REDACTED] -- IN MYASISHCHEV AREA

1 BOUNDER

1 PROB MIRAGE

3 BISON

2 COOT

1 PROB F-4

1 COOT FUSELAGE

25X1

[REDACTED] -- IN MIL AREA AREA

2 HOOK/HARKE

11 SMALL HELICOPTERS

25X1

[REDACTED] -- ON THE FLIGHT DECK TEST STRUCTURE

1 FREEHAND

25X1

[REDACTED] -- AT EAST END OF EAST/WEST RUNWAY

1 CAMEL/COOKER

25X1

25X1

RAMENSKOYE FTC AREA 1

55-34-15N 038-09-15E

25X1

STATUS: OPERATIONAL

REMARKS:

AREA 1 INCLUDES THE TEST AND DERELICT AREA AND THE TUPOLEV AREA.

25X1

ASSOCIATED OBJECTS:

[REDACTED] -- IN THE TEST AND DERELICT AREA

74

25X1

TOP SECRET

25X1

[REDACTED]
[REDACTED]
KH-4 MISSION 1116-1

SOVIET UNION
INDUSTRY

25X1

1 RAM-H STATIC TEST MODEL

[REDACTED] -- IN THE TUPOLEV AREA

5 BACKFIRE A (1 WITH WINGS EXTENDED)	1 CARELESS
2 BLINDER	4 CRUSTY (2 STRETCHED VERSIONS)
2 FIDDLER	1 CAMEL
1 BEAR ASW	1 COOKPOT
2 BEAR	

25X1

[REDACTED]

25X1

RAMENSKOYE FTC AREA 2

55-34-24N 038-08-19E

[REDACTED]

[REDACTED]

25X1

STATUS: OPERATIONAL

REMARKS:

AREA 2 INCLUDES THE SUKHOY AREA, THE ADJACENT SUKHOY AREA, THE MIKOYAN AREA AND THE YAKOLEV AREA.

25X1

ASSOCIATED OBJECTS:

[REDACTED] -- IN THE SUKHOY AREA

1 RAM-F	1 FITTER
3 FLAGON	5 SMALL DELTA-WING

25X1

[REDACTED] -- IN ADJACENT SUKHOY AREA

1 BADGER	2 CAMEL/COOKER
2 BEAGLE	1 COOKPOT
2 FLAGON	1 CRATE
1 FITTER	1 COLT

25X1

[REDACTED] -- IN MIKOYAN AREA AREA

4 FOXBAT	3 FISHBED
2 FLOGGER	

25X1

[REDACTED] -- IN YAKOLEV AREA AREA

1 POSS RAM-G	6 CODLING (1 STRETCHED VERSION)
1 FREEHAND	1 CAT/CUB
2 FIREBAR/BREWER	1 SMALL STRAIGHT-WING
1 FLASHLIGHT	

25X1

[REDACTED]

25X1

[REDACTED]

25X1

[REDACTED]
KH-4 MISSION 1116-1

SOVIET UNION
INDUSTRY

25X1

RAMENSKOYE FTC AREA 3

25X1

55-34-10N 038-07-55E

[REDACTED]
STATUS: OPERATIONAL

REMARKS:

AREA 3 INCLUDES THE EAST PARKING AREA AND THE CROSSOVER PARKING AREA.

25X1

ASSOCIATED OBJECTS:

[REDACTED] -- IN EAST PARKING AREA

7 BADGER	1 POSS FISHBED
1 FIDDLER	1 MODIFIED CHARGER
7 FOXBAT	3 COOKPOT
1 POSS FOXBAT	

25X1

[REDACTED] -- IN CROSSOVER PARKING AREA

1 BADGER	12 SMALL SWEPT-WING
1 BEAGLE	1 COOT
20 SMALL DELTA-WING	

25X1

[REDACTED]

25X1

RAMENSKOYE FTC AREA 4

55-34-12N 038-07-28E

25X1

[REDACTED]
STATUS: OPERATIONAL

REMARKS:

AREA 4 INCORPORATES THE ILYUSHIN AREA.

25X1

ASSOCIATED OBJECTS:

[REDACTED] -- IN ILYUSHIN AREA

3 BEAGLE	1 CAMEL
5 SMALL SWEPT-WING	3 CLASSIC
1 POSS CANDID (TAIL	5 COOT
PROTRUDING FROM HANGAR)	1 MAY

25X1

[REDACTED]

25X1

[REDACTED]
KH-4 MISSION 1116-1

SOVIET UNION
INDUSTRY

25X1

OTHER RESULTS-NO APPARENT CHANGE

25X1

LENINGRAD GUIDED MISSILE PROD PLT 458

59-59-35N 030-17-16E

[REDACTED]
STATUS:OPERATIONAL

25X1

25X1

25X1

MOSKVA AC ENG RSCH FACILITY TSIAM

55-45-43N 037-42-43E

[REDACTED]
STATUS:OPERATIONAL

25X1

25X1

25X1

MOSKVA GM PRODUCTION PLANT 41

55-49-39N 037-30-45E

[REDACTED]
STATUS:OPERATIONAL

25X1

25X1

25X1

[REDACTED]
KH-4 MISSION 1116-1

VIETNAM, NORTH
AIR BASE FACILITIES

SIGNIFICANT RESULTS

25X1

25X1

LANG SON AIRFIELD
[REDACTED]

21-50-09N 106-46-30E
[REDACTED]

STATUS: OPERATIONAL

PHYSICAL DESCRIPTION:

1.0 NM SE OF LANG SON.

THIS IS AN UPDATED DESCRIPTION. THE AIRFIELD CONSISTS OF A 1,126- X 76-METER (3,700- X 25-FOOT) SERVICEABLE SOD RUNWAY, ORIENTED NNW/SSE. FACILITIES INCLUDE SIX AIRCRAFT REVETMENTS ON THE WEST SIDE OF THE RUNWAY, 11 AIRCRAFT REVETMENTS ON THE EAST SIDE OF THE RUNWAY, AND A SUPPORT AREA 0.3 NM WEST OF THE RUNWAY. THIS SUPPORT AREA CONTAINS AN L-SHAPED ADMINISTRATION BUILDING, TWO BARRACKS, SEVEN SUPPORT BUILDINGS, AND A WEATHER STATION.

25X1

AIR ORDER OF BATTLE:

[REDACTED]
6 CRATE
2 COKE

2 COLT

25X1

[REDACTED]

25X1

Page Denied

Next 1 Page(s) In Document Denied